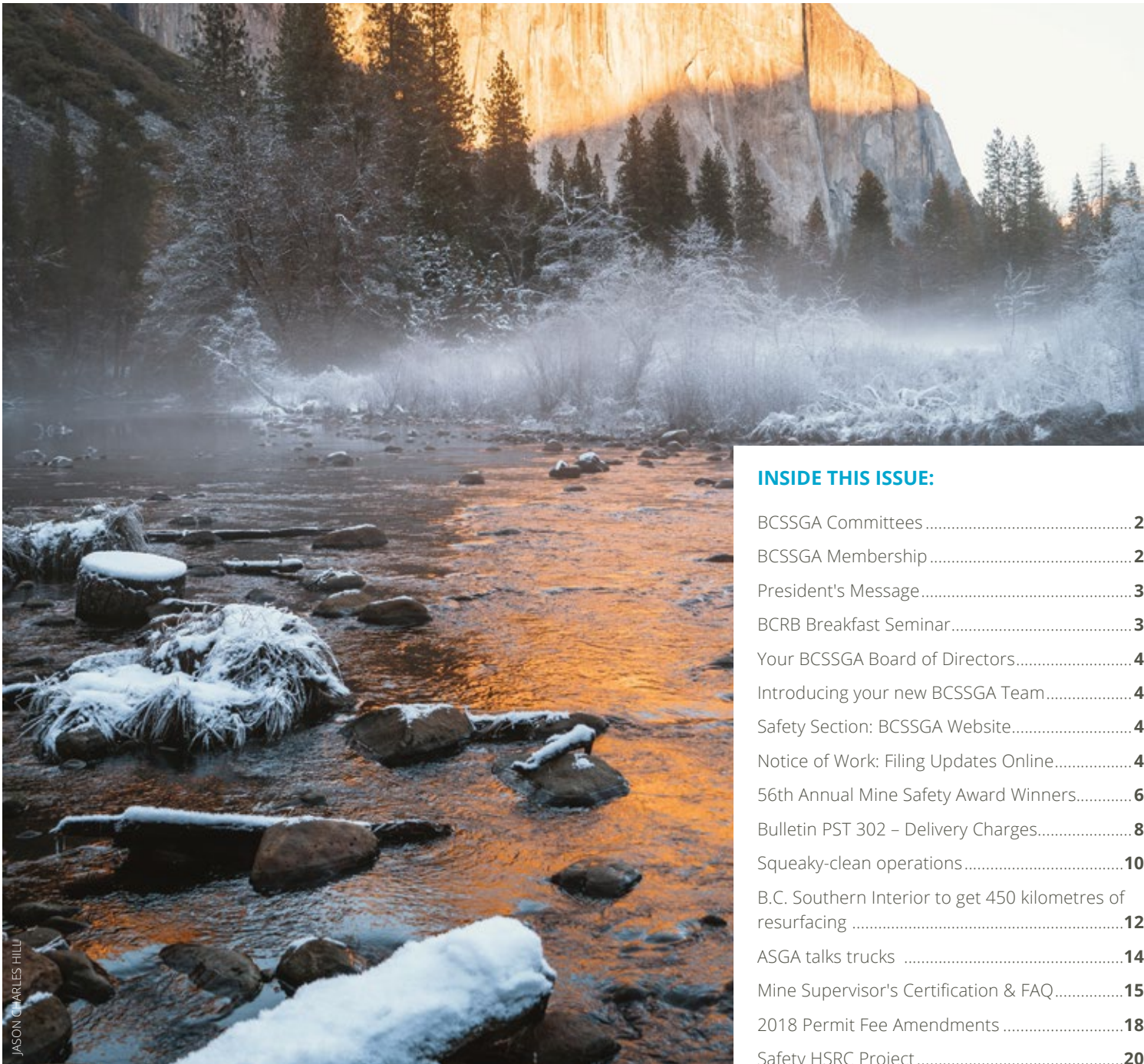


2018 BCSSGA SCREENINGS



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



JASON CHARLES HILL

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BCSSGA COMMITTEES

COMMITTEE NAME	CHAIR	OTHER MEMBERS
Government Relations:	Derek Holmes	Dani Miller, Barry McLean, Tyson Craiggs, Barry Chalmers
Financial Committee	Barry McLean	
Safety Committee	Barry McLean	Dani Miller, Jeff Adams, Nikki Keith
Environmental Sustainability	Chen Mei	Brent Wallace, Fred Shrimmer, Jeff Adams
Membership Recruitment	Everyone in the BCSSGA SHOULD HELP!	

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For information, please contact
Nikki Keith, CAIB – Vice President

nkeith@wmbeck.com or 604-437-6200.



EMPLOYEE BENEFITS PLAN: WHAT'S IN IT FOR ME?

Our employee benefits program, with Tom Castonguay of ICBA Benefits Services Ltd., is now going into its fourth year with moderate success and your support is greatly appreciated... Thank you!

The program is a revenue generator for the BCSSGA and each time one of our member's signs on, the BCSSGA receives a share of the ongoing commission. The additional revenues are a welcome supplement to membership fees and help fund operations and new initiatives.

In most cases your group can simply appoint 'Tom' as the broker on record of your existing plan—without changing insurance companies. Revenues are then re-directed to support BCSSGA.

Your support is important as we take on more initiatives and is deeply valued.

HAZARD AWARENESS TRAINING (HAT) PROGRAM

is **now FREE** for anyone to take the safety training. Please access the program at www.bccsa.ca under the heading Training & NCSO Designation and click on Hazard Awareness Training. It's FREE!!!!!!

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 *Cailey Murphy, Editor*, info@gravelbc.ca

www.gravelbc.ca

PRESIDENT'S MESSAGE

Welcome to the first digital edition of the *Screenings Newsletter*. *Screenings* is published by the BCSSGA quarterly to keep our members and stakeholders informed about the stone, sand and gravel industry in British Columbia. We have switched from print to digital content to allow better reach, sharing and frequency of the newsletter as well as to modernize our method of communications. The website for the Association also has a new look and I encourage you to visit www.gravelbc.ca and learn more about our members, the industry and the many uses for aggregate in the province and across the country.

This will be my second term as President and along with the many other volunteers in the Association we have made great strides during the past year in bringing awareness to the industry which generates over a billion dollars in economic activity, employing over 10,000 people and playing a significant role in all construction activity that happens in every community in the province. As the unified voice for aggregate producers in the province the BCSSGA is committed to providing affordable, sustainable development of B.C.'s aggregate resources in an environmentally responsible manner, providing informative knowledge to the public, ongoing input to the Province and keeping current with government regulations.

The Association has seen significant change over the past year and we are working diligently to provide value for our members going forward with key initiatives in the areas of safety, government relations and environmental sustainability. The other change this year is the retirement of our long time Executive Director, Paul Allard. Paul has been the face of the organization for close to 20 years and will be retiring at the end of August. I'd like to thank Paul for his service to the Producer and Associate Members of the Association over the many years and wish him well as he enjoys more free time and undoubtedly a few more rounds of golf! Cailey Murphy of NNW Communications will be stepping in to this role as of June 1st and brings with her a wealth of knowledge and ability in the mining industry and outreach efforts through communication. Welcome Cailey.

Enjoy this edition of *Screenings* and please feel free to contact me any time with comments questions and feedback.

Derek Holmes

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.

TO PROVIDE cost effective services to a broad range of Industry Members within British Columbia.

BCRB BREAKFAST SEMINAR: CANNABIS IN THE WORKPLACE

REGISTRATION NOW OPEN!

REGISTRATION IS NOW OPEN for the BC Road Builders' Breakfast Seminar on Cannabis in the Workplace taking place on Thursday, June 21 at Northview Golf and Country Club in Surrey.

Professional consultant, trainer, and coach with over 25 years of experience, Pamela Bragg of Sarkany Management Inc. will help you to understand the rights, responsibilities and risks to employers regarding cannabis in the workplace.

Join us for this fast paced one hour program which is aimed to help you meet the challenges and answer questions around the use of cannabis in the workplace.

7:30 am - Breakfast Buffet

8:30 am - Presentation

Space is limited, so register today!

[CLICK HERE TO REGISTER](#)

YOUR BCSSGA BOARD OF DIRECTORS

The following Members we elected to the Board of Directors at the Annual General Meeting on May 17, 2018.

President – Derek Holmes, BURNCO Rock Products Ltd.

1st Vice President – Tyson Craiggs, Mission Ridge Aggregates Ltd.

2nd Vice President – Dani Miller, Mainland Construction Materials

Secretary – Nikki Keith, Wilson M. Beck Insurance Services

Treasurer – Barry McLean, Valley Gravel Sales Ltd.

Board Member – Jeff Adams, Fuelex

Board Member – Daniel Allard, Allard Contractors

Board Member – Barry Chalmers, Island Crushing

Board Member – Brook Greenberg – Fasken Martineau DuMoulin

Board Member – Todd James – Liebherr Canada

Board Member – Chen Mei, Lafarge-Holcim

Board Member – Brent Palmer, MountainSide Quarries Group

Board Member – Erwin Spletzer, Interoute Construction

Board Member – Kevin Spent, Mainland Construction Materials

Board Member – Kevin Tokarek, Lehigh Hanson

Board Member – Dave Warden, Haver & Boecker

Questions regarding the Board of Directors can be directed to info@gravelbc.ca.

INTRODUCING YOUR NEW BCSSGA TEAM

BCSSGA is pleased to announce it has retained Cailey Murphy and the team at NNW Communications to support to growth and success of the BCSSGA in the year ahead.

NNW Communications is a full-service communications firm specialized in the mining sector. With a dedicated team of six communications and policy professionals, NNW offers a full range of services that will help the BC Stone, Sand and Gravel Association meet its strategic objectives of advocating for government policies that augment the competitiveness of BC as a mining jurisdiction, raising awareness about the industry with key audiences including government and the public, and growing the Association's membership and impact.

NNW's team of professionals know the mining message. Over the past several of years, the NNW team has successfully executed mining communications initiatives such as the Mining Day at the Legislature, BC Mining Month, the MABC clean energy vehicle campaign, Mining Builds BC and a number of other outward communications campaigns. As well, they have worked on a variety of policy files including, but not limited to, Notice of Work, Environmental Assessment Revitalization, Species at Risk, Cumulative Effects and the review of the Health, Safety and Reclamation Code for BC Mines.

For more information, please contact Cailey Murphy at cailey@gravelbc.ca.

SAFETY SECTION: BCSSGA WEBSITE

We've recently updated the Safety portion of BCSSGA's website. It's a collection of safety videos our volunteers found on the web. They may be appropriate for new employees, safety meetings, etc.

<http://gravelbc.ca/safety/>

This collection is just the beginning. If you know of other videos on the internet, or are able to share other materials that you have with our members, please email us and once or twice a year we'll update the website with the best material. gravelbc@telus.net

NOTICE OF WORK: FILING UPDATES ONLINE

The Ministry has converted fully to updating Notices of Work online. They have commented to us that the applications are arriving in all shapes and sizes, which slows their process down. Would you be interested in attending a seminar jointly held by BCSSGA and the Ministry to learn how to make online applications more effective? Or perhaps one or more of your consultants would be interested in attending? If so, please email info@gravelbc.ca. Depending on levels of interest, we'll approach the Ministry, determine time and location, etc.

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56TH ANNUAL MINE SAFETY AWARD WINNERS

The current winners for the 56th Annual Mine Safety Awards are as follows:

CERTIFICATE OF ACHIEVEMENT

- Lafarge Canada Inc. - Abbotsford Gravel Sales
- Butler Brothers Supplies Ltd. - Butler Brothers Supplies Ltd.
- CertainTeed Gypsum Canada Inc. - Windermere
- Imperial Limestone Co. Ltd. - Imperial Limestone
- West Ridge Quarries Ltd. - West Ridge Quarries

STEWART / O'BRIAN AWARD

- Lafarge Canada Inc. - Central Aggregates
- Lafarge Canada Inc. - Earle Creek
- Lafarge Canada Inc. - Pitt River Quarries
- Orca Sand & Gravel - Orca Sand & Gravel

EDWARD PRIOR AWARD

- Conuma Coal Resources Ltd. - Brule

JOHN ASH AWARD

- Teck Coal Ltd. - Greenhills Operation

SMALL UNDERGROUND MINES AWARD

- No applicants

LARGE UNDERGROUND MINES AWARD

- New Gold Inc. - New Afton

This year's award celebration is exclusively honouring the recipients of Mine Safety Awards. The awards banquet was held in Victoria at the Hotel Grand Pacific, 463 Belleville Street on Tuesday, Feb 27th, 2018.

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BULLETIN PST 302 – DELIVERY CHARGES

Background

BCSSGA members brought to our attention concerns regarding PST Bulletin 302 issued by the BC Ministry of Finance regarding PST on delivery charges. BCSSGA has reached out to the Ministry of Finance about this issue is advocating on your behalf. The below explanation was provided by the Ministry of Finance. We are continuing to press them on this issue. Should you have any questions or require further information, please contact Cailey Murphy at cailey@gravelbc.ca.

The change to **Bulletin PST 302 – Delivery Charges** is not a result of a change in the legislation. It is a correction of an error in the information relating to specific provisions of the Provincial Sales Tax Act (PSTA).

The bulletin on page 6 states “This bulletin has been rewritten to correct errors in the bulletin as to when [provincial sales tax] PST applies to delivery. The previous version of this bulletin incorrectly stated that delivery charges were not subject to PST for goods delivered in [British Columbia] BC, where title to the goods passed at the seller’s premises. If you did not charge PST on delivery charges, as in the above scenario, on or before March 31, 2018, you will not be subject to a penalty. For more information, see Regulation 48/2018.”

The PSTA requires (and has required since 2013) that the purchase price of taxable goods include delivery charges that are incurred at or before the time that title to the goods transfers to the purchaser. As mentioned above, Bulletin PST 302, suggested that delivery charges are not part of the taxable purchase price subject to PST if title to the goods passed to the purchaser at the seller’s premise. The updated bulletin corrects this oversight.

In recognition that some businesses may have relied on the previous bulletin, a remission order called the **Provincial Sales Tax (Delivery Charge) Remission Regulation** (this is the Regulation 48/2018 referenced in the Bulletin) has been provided. The regulation provides remission for businesses that failed to levy tax on the portion of the purchase price that is a delivery charge if the sale occurred on or after April 1, 2013 and on or before March 31, 2018 and under the sale title to the goods passed to the purchaser at your premises that are in BC.

CONCERNS

We appreciate you bringing your concerns in this matter to our attention.

If any of your members of the BC Stone Sand & Gravel Association have questions about how the PST applies to delivery charges, your members should send their questions to our attention at **CTBTaxQuestions@gov.bc.ca**.

In addition, if you wish you can also write directly to the Minister of Finance with your concerns by e-mail to **FIN.Minister@gov.bc.ca** or by mail to:

Honourable Carole James
PO Box 9048 Stn. Prov. Govt.
Victoria, BC V8W 9E2

More information on British Columbia’s PST, including registration, and collecting and remitting the PST, can be found in a series of **PST Bulletins and Notices**, and the **Small Business Guide to PST**. Our **Forms Page** contains exemptions certificates and forms related to registration, applying for a refund, and self-assessing the PST.

For additional information, including free interactive webinars, informational videos and upcoming events, please visit the **PST Outreach** webpage. To receive updates about legislative changes and new public information, please **“Subscribe To Receive Updates.”**

This correspondence describes how the Ministry interprets the relevant tax provisions for information purposes only. This response may be impacted by variations in circumstance, subsequent changes to legislation or subsequent court decisions. The Ministry is not responsible for updating this response if there are any subsequent changes to the law. This response is provided as an aid to understanding the legislation and is not intended to replace the legislation.

Rulings and Interpretations Team
Ministry of Finance
www.gov.bc.ca/consumertaxes

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- Hopper capacity: 6m³ (7.8yd³)
- Discharge Height: 3.26m (10'8")



SQUEAKY-CLEAN OPERATIONS

Rock to Road checks out some of the latest washing technologies available for the aggregates sector.

BY ROCK TO ROAD STAFF REPORT

The Alliance Low Water Washer allows operators to wash crusher dust right next to the crushing circuit, eliminating the cost of handling and hauling these fines to a new washing circuit.

SUPERIOR INDUSTRIES

The Alliance Low Water Washer allows operators to wash crusher dust right next to the crushing circuit, eliminating the cost of handling and hauling these fines to a new washing circuit. This unit is designed with a small footprint, which allows it to be easily incorporated into an existing plant. The Alliance Low Water Washer turns tailings into a salable manufactured sand. Customers experience 80 per cent less water consumption when washing straight off of a dry feed. The Alliance Low Water Washer is manufactured in models for rates up to 300 tph (272 mtph).

www.superior-ind.com

HAVER & BOECKER

Haver & Boecker offers the skid-mounted Hydro-Clean 1000 Wash Plant as a complete solution. In addition to a Hydro-Clean 1000 washing system combined with a Tyler L-Class vibrating rinse screen, Haver & Boecker now offers semi-portability by mounting the complete system on a custom skid structure. The opportunity to purchase the three components together saves operations months of time they would have spent on designing and building a skid structure for a wash plant.

www.havercanada.com

KPI-JCI

KPI-JCI's team of mechanical, civil and electrical engineers apply nearly a century of experience designing, building and manufacturing the world's highest quality equipment. They deliver creative and accurate systems with a product mix of fine and coarse material washers, log washers, blademills, classifying tanks, dewatering screens and other fines recovery products. The company also offers support by one of the most committed parts and service staff in the industry, 24/7.

www.kpijci.com

PHOENIX PROCESS EQUIPMENT

The Phoenix Model HS Hydrosort excels in a number

of mineral processing roles including sharp size classification, density sorting, and washing/rinsing granular solids. Precise overflow slurry density tracking and the controlled, flexible addition of upward current water provide easy adjustment of the Hydrosort operation to meet product specifications. The cut size can be varied over a broad size range, while density sorting of light weight contaminants from sand or silica sand from heavy minerals is feasible. Applications include: classification of sand and other minerals by particle size; separation of light, deleterious materials; specialty sand production; and flexible production to meet changing DOT/customer sand specifications.

www.dewater.com

MCCLOSKEY WASHING SYSTEMS

The MWS Scavenger can be used in a variety of applications including classification, dewatering and fines recovery. The plant is designed to produce a higher product yield recovering +200 Mesh (+75micron) solids. Key features include: a modular design; recovery of product size material lost to the pond via the screw washer overflow weirs; and higher product yield.

www.mccloskeywashing.com

MCLANAHAN

McLanahan Fine Material Screw washer boxes are designed with longer weirs and a larger pool area behind the baffle plate for retaining more +200 mesh or 75 Micron fines. Fine Material Screw Washers are designed with longer shafts for more dewatering, resulting in a dryer product than with competitive units. They are a low cost, low power, sand processing solution that ensures you retain the optimal amount of fines. McLanahan Fine Material Screw Washers come in many sizes and configurations so that the appropriate size washer box and screw shaft(s) can be selected to accommodate your sand and water capacities.

www.mclanahan.com

EIW

EIW Classifying Tanks with MARK VI Control System update are designed to remove large volumes of excess water from feed material. EIW Classifying Tanks smooth out feed fluctuations and remove excess sand particles for a consistent in-spec product. Recently, the MARK VI computerized sand re-blending control system was

introduced to make stockpile calibration easier and faster, allowing for a varying number of controlled products, as well as calibrated tons per hour forecast of the products produced. Producers using the MARK VI system maintain tighter control of their products' Fineness Modulus. It can handle up to two tanks simultaneously.

www.eagleironworks.com

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versatile integrated washing system with outstanding performance capability across a wide spectrum of materials and the ability to offer up to five washed and sized products. The range includes numerous modular configurations but all are based around the choice of a 16' x 5' or 20' x 6' washing screen and a choice of sand output capacities. Its features include: a high frequency de-watering screen; twin cyclones; 20' x 6' 3-deck screen unit; 16 cu. yd. hopper; stockpiling conveyors; and an automated control system.

www.powerscreencanada.com

www.terex.com/washing-systems

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B.C. SOUTHERN INTERIOR TO GET 450 KILOMETRES OF RESURFACING

BY B.C. MINISTRY OF TRANSPORTATION AND INFRASTRUCTURE

MAY 2, 2018 | A resurfacing project on Highway 5 near Barriere is now underway, marking the beginning of a busy season of resurfacing in the southern Interior region, covering more than 450 kilometres of highways and side roads.

"We have promised safer roads for the people of B.C., and paving more than 450 kilometres in this region alone this year will make a big difference to local residents and those traveling through the region," said Minister of Transportation and Infrastructure Claire Trevena. "By maintaining high-quality roads and highways, we are improving peoples' safety and keeping commercial goods moving."

This first project on Highway 5, between Agate Bay Road and Darfield, includes 16 kilometres of resurfacing. Dawson Construction of Kamloops was awarded the \$4.6-million contract for the work, which is now underway and is expected to be completed this spring.

More than \$85 million is being invested in highway and side road improvements in the southern Interior in 2018. Other major resurfacing projects taking place in the region this spring and summer include:

- Highway 3/95 near Creston – Resurfacing 36 kilometres of Highway 3, from Arrow Creek Road to Yahk; 11 kilometres of Highway 95, from Kingsgate to Curzon; and 23.5 kilometres of selected side roads in the Kitchener, Arrow Creek, Kidd Creek, Kingsgate, Yahk and Moyie areas.
- Highway 5 near Merritt – From Portia Bridge to Kingsvale, resurfacing 38 kilometres of the Coquihalla Highway.
- Highway 12 near Lillooet – 46 kilometres of resurfacing from Lytton to Lillooet, and 2.5 kilometres of overlay paving on Road 40, north of Lillooet, from Hollywood Crescent to Dickie Creek Bridge.
- Highway 26 near Quesnel – Resurfacing 44 kilometres, from Wingdam to Barkerville.
- Highway 97 in Kelowna – 4.6 kilometres of resurfacing, from Gordon Drive to the junction with Highway 33; 5.6 kilometres, from Edwards Street to Old Vernon Road; and 5.5 kilometres on Old Vernon Road, from Spencer to McKenzie. In addition, there will be intermittent paving between Abbott Street and Gordon Drive.

The following projects make up the rest of what will be resurfaced in the southern Interior in 2018:

- Highway 1, from Glacier National Park to Donald Bridge and selected side roads near



FLICKR/B.C. MINISTRY OF TRANSPORTATION AND INFRASTRUCTURE

Golden (37 kilometres)

- Highway 3, from Kootenay Pass Summit to Summit Creek near Creston (28 kilometres)
- Highway 3 and 3A, from Ootcheschia near Castlegar to Playmor Junction at South Slokan (20 kilometres)
- Highway 5, from the Nicola Interchange to Clapperton Brake Check and Coldwater Road near Merritt (32.5 kilometres)
- Highway 20, from Jourdenais Road near Hagensborg to Atnarko Slough (50 kilometres)
- Highway 20, from Redstone to the Alexis Creek/Nazko Road and McCullough Road (26 kilometres)
- Highway 24, from the brake check to Highway 24/5 Junction near Little Fort (13 kilometres)
- Highway 97, from Deep Creek Bridge near Peachland to Glenrosa Road in West Kelowna (15 kilometres)
- Chimney Lake Road and other side roads in Williams Lake (28.5 kilometres)
- North Fork Road north near Grand Forks (25 kilometres)

While these resurfacing projects are underway, drivers can expect minor delays and, at times, single-lane alternating traffic. The ministry appreciates peoples' patience while this work is taking place.

Drivers are reminded to slow down, obey traffic control personnel, and to check **DriveBC.ca** for the most up-to-date highway information.



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ASGA TALKS TRUCKS

Truck Registry Program a key focus for 2018

BY ANDREW SNOOK



The Alberta Sand & Gravel Association's (ASGA) Truck Registry Program is a top priority for 2018

ASGA president Dale Soetaert (Lehigh Hanson Materials) offered an update on the ASGA Truck Registry Program to members during the association's 2018 annual general meeting in January at the Marriott Edmonton River Cree Resort in Enoch, Alta.

The program had experienced a decline in the number of registered trucks this past year.

Soetaert stressed the importance of the program to attendees in terms of revenue generation for the association, consistency and enforcement. The program was started in 2004.

"It's a self-check that we can do as an industry to show municipalities that we care," Soetaert told the crowd.

He added that the No. 1 complaint the industry receives from the general public is related to gravel trucks, and that if industry doesn't manage the issue of truck complaints, it could end up being managed by another party.

A Truck Registry Sub-Committee has been created to deal with issues related to the program with BURNCO Rock Products' Travis Coates leading the sub-committee as chair.

Rock to Road sat down with both Coates and Soetaert during the AGM to discuss future plans for the program. Coates said that there are three core improvements that he would like to see made in 2018.

The first improvement is an automated complaint follow-up system, which will generate reminders to companies to follow up on complaints they receive from the public, which will improve relationships between producers, citizens and municipalities.

"Having a system to better facilitate this would be huge," Coates says.

Another change that ASGA would like to make to the truck registry is to expand who is able to register for the program. Under the current format, only producer members can register. Allowing non-producer members to register will increase participation in the program while allowing producers the ability to see a driver's history and any complaints lodged against them.

Soetaert says this feature will make it easier for producers to introduce suspensions or other types of disciplinary actions against drivers that are receiving complaints against them from citizens.

Coates adds that holding drivers more accountable for their actions will be good for business and force some drivers to be more responsible on the roads; while at the same time reward those drivers that have none, or very few, complaints lodged against them from citizens.

The third core improvement ASGA is looking to add to the program in 2018 is the ability to generate more standardized responses that producers can then use or tweak to help save time when dealing with more common complaints from the public.

"We feel there's room for more common complaints having standardized responses," Coates says, adding that having these available to non-producers could make life easier for the hauling companies, giving them the ability to deal with complaints in an efficient manner.

"Municipalities appreciate having the ability to call and find who the drivers are," Soetaert adds.

ASGA met with Calgary City Council members in June 2017, and Edmonton City Council members this past December to discuss the possibility of making the truck registry mandatory in both cities.

Soetaert and Coates are both excited to have all of these initiatives on the agenda for 2018.

"There's always room for improvement," Soetaert says. "We've received feedback from members so we're getting some changes done to address that."

For more information on how to register for the Alberta Sand & Gravel Association's Truck Registry Program, visit: www.asga.ab.ca.

For additional conference coverage from ASGA's 2018 annual general meeting that took place this past January, visit: www.rocktoroad.com

MANDATORY MINE SUPERVISOR'S CERTIFICATION WILL BE AVAILABLE SOON ONLINE

In February 2017, the Ministry of Energy, Mines and Petroleum Resources (EMPR) completed a review of the Health, Safety and Reclamation Code for Mines in British Columbia (the Code).

One of the new provisions added to the Code was the reintroduction of a Mine Supervisor's Certification for any supervisor on a mine site to ensure a common understanding of the Code, to encourage worker safety and to ensure supervisors on a mine site are aware of their responsibilities under the Code. The Mine Supervisor Certification was launched April 16, 2018 and the Code requirement came into force June 1, 2018.

The provision requires that anyone supervising six or fewer people on an active mine operation or in other areas of a mine, such as a mill, tailings storage facility, lab or maintenance area or shop, must complete their Supervisor's Certification. It applies to all mine sites in the province including major mines, exploration sites, sand and gravel and placer operations and quarries.

In order to facilitate a large volume of registrants, ensure easy access and provide a tracking option for compliance, an online delivery option for certification was identified as the preferred delivery method. This enables supervisors to complete the program online from anywhere and work at their own pace.

The Mine Supervisor's Certification is a comprehensive and custom program designed specifically for on-site supervisors in any sector of B.C.'s mining industry. The online delivery has eliminated the need for in-house

examinations, increased the consistency of information delivery, and provided real-time tracking of completed certifications for compliance purposes. To-date, more than 1800 people have obtained their certification.

EMPR worked with Open School BC from the Ministry of Education to develop and deliver the program. Open School assists with instructional design, educational resource development and online course offerings specifically for government-led educational programs. Open School has a track record of creating educational and training solutions for organizations such as school districts, ministries and Crown corporations.

Stakeholders from each of the mining sectors, including labour, were included in the development of the program.

The cost to become certified is \$100 and participants receive a temporary certificate immediately upon successful completion of the program; their official certificate will be mailed to them. Funds recovered from the certification program will support subscription costs for use of the online software as well as further development and updating of certification programs. The certificate must be re-taken every five years.

The Mine Supervisor Certification is available through EMPR's website:

<https://www2.gov.bc.ca/gov/content/industry/mineral-exploration-mining/health-safety/certifications>

MINE SUPERVISOR CERTIFICATION – Q&A

What is the Mine Supervisor Certification?

The Ministry of Energy, Mines and Petroleum Resources (EMPR) completed a review, with First Nations, industry and labour, of specific portions of the Health, Safety and Reclamation Code for Mines in British Columbia (the Code). As a result of the review and consensus recommendations from all parties, new provisions came into force February 2017.

One of the new provisions added to the Code was the reintroduction of a Supervisor's Certification for any supervisor on a mine site to ensure a common understanding of the Code, to encourage worker safety and to ensure supervisors on a mine site are aware of their responsibilities under the Code.

When do I have to have my certification by?

This requirement comes into force on June 1, 2018.

Who has to have their Mine Supervisor Certification?

The provision requires that anyone supervising six or fewer people in open pit mining activities or any number of employees on exploration sites or in other areas of a mine, such as a mill, tailings storage facility, lab or maintenance area or shop, must complete their Supervisor's Certification. This provision applies to all mine sites in the province including major mines, exploration sites, sand and gravel and placer operations and quarries.

Some examples below:

- A supervisor who supervises any number of employees on an exploration site will need a Mine Supervisor certification.
- A supervisor on a sand and gravel operation who supervises 10 employees in mining activities will need a Shiftboss certification.

Continued on page 16

Continued on page 17

- A supervisor at a major mine who supervises 20 employees in a maintenance shop will need a Mine Supervisor Certification.
- A supervisor on a small mining operation who supervises 5 employees in mining activities will need a Mine Supervisor Certification.
- One person on a placer site that does mechanical surface disturbance will need a Mine Supervisor Certification.

If I have my Shiftboss certification – do I need a Mine Supervisor Certificate?

No, if you have a valid Shiftboss certification, you do not need a Mine Supervisor Certificate.

Where do I go to register for the online program?

The online program is available through the following websites:

<https://www2.gov.bc.ca/gov/content/industry/mineral-exploration-mining/health-safety/certifications>

Or through OpenSchool BC

<https://www.openschool.bc.ca/online/>

What do I do if I have technical issues with the online program?

Please contact OSBC Online support for assistance at OSBC.Online@gov.bc.ca

What do I do if I forget my UserID or password?

The OpenSchool BC login page will guide you through the UserID and password recovery process.

<https://mytraining.openschool.bc.ca/login/index.php>

What is the purpose of the Mine Supervisor Certification?

The certification was initiated and created to develop and enhance a working knowledge and enable navigation of the code and to test awareness of regulatory responsibilities as a Supervisor in mines in BC

Once I complete the certification, does this mean that I have the skills to be a Mine Supervisor on an active mine site?

The certification is not intended to replace or provide technical training on health and safety procedures, knowledge or ability. Each mine must provide their own Supervisor training program tailored to their site.

Are there specific certification exams for each area of the mining industry?

The Mines Supervisor Certification is deliberately not tailored to any specialization. Not every Part of the Code may be in regular use at every type of mining operation and all Parts of the Code are applicable to every mine site depending on the situation.

The certification is intended to be transferrable from region to region, and from one mine type to another.

For example: If a supervisor with a valid Certification works in a gravel quarry, and then goes on to work in exploration, their Mines Supervisor Certificate is transferable with them.

Who put together the Mine Supervisor Certification?

The Ministry of Energy, Mines and Petroleum Resources, along with OpenSchool BC developed the certification. However, the framework for the certification was developed with industry and stakeholder input, with participation from major mines, quarries, sand and gravel, exploration and placer.

How long is the certification program?

The exam has 100 questions and no two exams will be the same.

Pilot testing indicated it took, on average, four hours to complete (but that may increase or decrease depending on your knowledge of the Code), with the shortest being 1.5 hours and the longest being six hours.

The certification program is active for each registrant for six weeks from the date of registration – meaning you can take as long or as little time as you like to complete

What is the passing grade?

The passing grade is 80% and each student gets three tries to pass. The exam is fully open book and you may stop and start the exam as many times as you like.

How much is the certification program and will I have to take it again? How come it is not free like other certifications?

The Mine Supervisor Certification is \$100 and is valid for five years. Funds recovered from the certification program will support subscription costs for use of the online software and further development and updating of the certification programs.

Is it possible to purchase multiple seats for my employees?

Yes, the system allows a bulk buy. Once the purchase is complete, a unique link will be generated to distribute to your employees so they can complete their registration and certification on their own.

I have taken the program from the College of the Rockies previously, is this program the same as the Mine Supervisor?

No, the College of the Rockies program is not the same as the Code required Mine Supervisor Certification. You must obtain the government certification. However, if you have completed their program, it will definitely help you successfully complete the exam. We are hoping to make an arrangement in the future to have the Mine Supervisor Certification included as part of the College of the Rockies program.

What about the other certifications that EMPR offers?

EMPR is currently working to modernize and update other certifications such as Blasting, Shiftboss and Fireboss. A small fee will be charged once they have been updated to cover the cost to administer and continue to update those certifications.

What do I do if I lose or misplace my certificate?

Crown Publications can re-print and mail you a new certificate and wallet card. A \$10 fee is charged to cover printing, shipping and handling.

Before contacting Crown Publications to submit your order, please ensure that your mailing address is up-to-date by contacting the nearest Regional Mining Operations Office at:

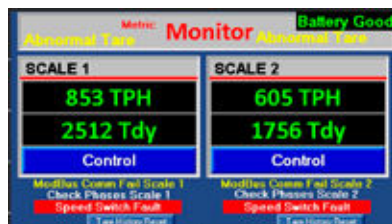
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2018 PERMIT FEE AMENDMENTS

BACKGROUND

- Permit fees were implemented in 2015 following consultation with industry and a public discussion paper.
- EMPR staff consulted with BCSSGA in June and October of 2016 on permit fee changes in anticipation of the changes being made effective April 1, 2017. BCSSGA indicated that it understood the need for the changes and accepted the proposed amendments.
- However, due to timing issues, the Province did not proceed with the changes in 2017.
- EMPR staff updated the BCSSGA in February 2018 on the upcoming permit fee changes (implementation target is early fiscal 2018).
- Permit fee revenue is intended to provide some cost recovery of EMPR's permitting service - specifically to replace the contingency funding that EMPR had relied on to achieve reductions in permit application turnaround times.
- Permit fees were forecasted to generate \$1.5M from gravel pits/quarries based on production data the Ministry had access to. To date permit fee revenue from pits and quarries has been approximately \$1M per year less than forecasted.
- Permit fee revenue represents a key part of EMPR's fiscal plan however, this revenue is marked as 'recovery to vote' meaning that EMPR only receives what it collects in permit fees. EMPR must absorb

any permit fee revenue shortfalls and make the necessary budgetary adjustments each year.

PERMIT FEE CHANGES

- The amendments make the following fee adjustments:
 - A general increase to permit fee amounts.
 - A lower initial threshold so fees are paid beginning at 5,000 tons per year instead of 10,000 tons per year.
 - Additional incremental fee steps - 13 fee steps instead of 4.
 - Eliminate the distinction between short and long term operations (no longer different fees for pits or quarries operating 5 years or less and more than 5 years)
- These amendments remain consistent with the following key principles articulated during initial consultations:
 - Fees should contribute to partial cost recovery for the permitting services provided by EMPR,
 - Fees should minimize the impact of fees on small operations (smaller operations paying smaller fees or no fees), and
 - Fees should not exceed 6 cents per ton on extracted material over a 5 year period.

CURRENT FEE STRUCTURE

COLUMN 1	COLUMN 2	COLUMN 3
Tonnes proposed to be extracted or moved in highest producing year		Permit fee
Regional mine proposed to operate for 5 years or less	Regional mine proposed to operate for more than 5 years	
< 60,000	< 10,000	\$0
≥ 60,000 – < 125,000	≥ 10,000 – < 60,000	\$4,000
≥ 125,000 – < 250,000	≥ 60,000 – < 125,000	\$8,000
≥ 250,000 – < 500,000	≥ 125,000 – < 250,000	\$16,000
≥ 500,000	≥ 250,000	\$32,000

NEW FEE STRUCTURE

PRODUCTION VOLUME	PERMIT FEE
5,000 to < 10,000 tonnes/year	\$1,500
10,000 to < 20,000 tonnes/year	\$3,000
20,000 to < 30,000 tonnes/year	\$6,000
30,000 to < 40,000 tonnes/year	\$9,000
40,000 to < 50,000 tonnes/year	\$12,000
50,000 to < 60,000 tonnes/year	\$15,000
60,000 to < 70,000 tonnes/year	\$18,000
70,000 to < 80,000 tonnes/year	\$21,000
80,000 to < 90,000 tonnes/year	\$24,000
90,000 to < 100,000 tonnes/year	\$27,000
100,000 to < 130,000 tonnes/year	\$30,000
130,000 to < 170,000 tonnes/year	\$40,000
>= 170,000 tonnes/year	\$50,000




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SAFETY HSRC PROJECT

BY DANI MILLER

The BC Construction Safety Association (BCCSA) has teamed up with the BCSSGA to try and make life a little simpler for Mine Managers, Supervisors, Shift Bosses and ownership across the province. All mines in BC are required to follow the Health, Safety and Reclamation Code for British Columbia mines (The Code). Those of us in "Pits and Quarries" though, know that only about 60% of that Code applies to our operations. Most of us have struggled from time to time finding the rule we're looking for in the code. It's easy to get confused when you look up the word "drilling", then realize half a page later the section you are reading only applies to underground drilling.

This has always been a frustration, a source of confusion and a time-robber for every level of supervision. When it comes to safety, we all know - complication is the root of all evil. So, we've found a partner to help us make the code less complicated. The BCCSA has hired a consultant, who has edited the Code down to only the Pit and Quarry applicable sections just for us. Hoists, shafts, underground, mineral specific, mineral and coal tailings dams - those lengthy, complicated and not-applicable-to-us sections have been deleted and we will shortly have a reference book that is 40% thinner, with 100% less chance you'll

start reading the wrong thing and applying the wrong rule. The resulting subset will help speed up the day-to day questions and answers and reduce the chance of error, without changing the meaning or application of the full Code, which will always be the 'governing document'.

The big picture here - the less time we spend in our offices reading, the more time we spend out with our teams supervising, mentoring and really, improving safety. We need to know the rules but we don't need to be 'rule book experts'. We all need to be 'safety leadership experts' which means, let's make less mistakes, get off the desk faster and get out to the front line where we can have an impact with our presence, experience and attitude.

This project is funded in part by the BCSSGA, and in part by the BCCSA - who is funded in part by YOU via your WorkSafeBC premiums. They are a fantastic, flexible resource to help with prevention, training and cost savings via CoR. You can look forward to seeing more about them in upcoming meetings and newsletters as we start to tap into this amazing resource.

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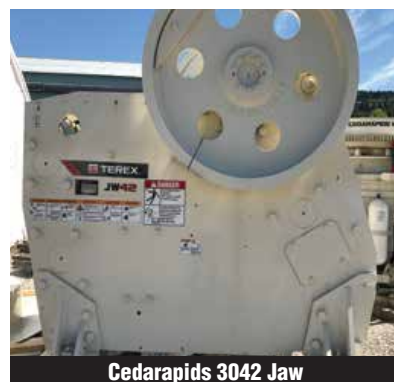
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