

# SAND & STONE

The official magazine of the CMPA

• NATIVE VEGETATION

• MANAGING CASH FLOW & CREDIT

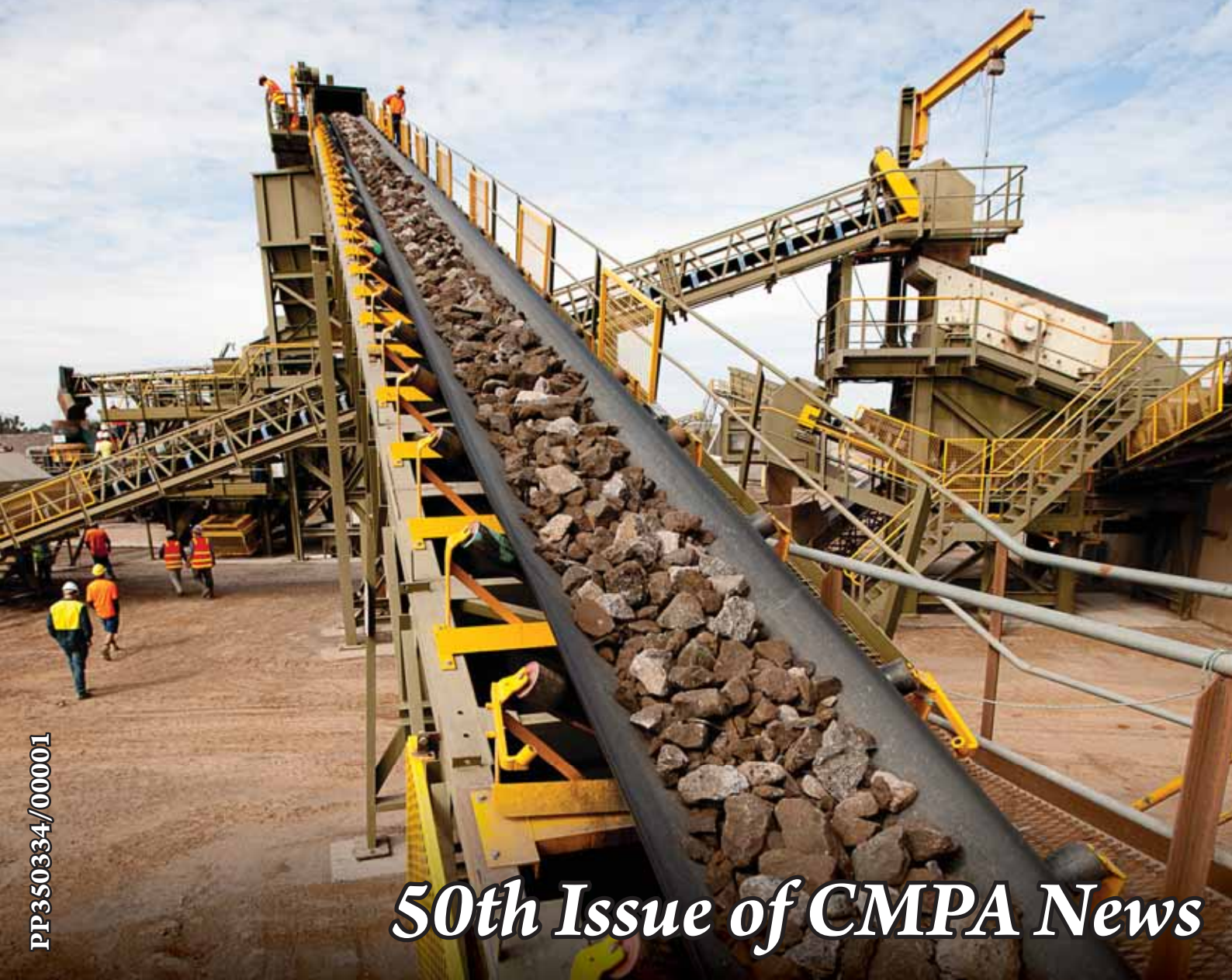
ISSUE 50

• GROUNDWATER LICENSE

• VALUE OF CMPA MEMBERSHIP

Apr/May 2010

## MEMBERS DAY OUT AT BENDIGO



PP350334/00001

50th Issue of CMPA News

# BREAKING NEW GROUND IN OPERATOR SAFETY



100% Black Cab  
= Improved Finish Quality

Reinforced ISO 12117-2:2008  
compliant structure  
= Enhanced Protection

12% More Glass  
vs current Cab  
= Enhanced Visibility

External Cab  
Air Filter Access Door  
Ground Level Serviceability

## ROPS compliant hydraulic excavators - industry-first protection for your operators

There's nothing more important than the safety of your operators. That's why all Cat® hydraulic excavators from 6 to 50 tonnes are now fitted with a Roll-Over Protective Structure (ROPS), in compliance with ISO 12117-2:2008 - the new International Standard for cab safety testing.

The Standard requires all hydraulic excavators from 6 to 50 tonne be fitted with a ROPS cab that will significantly limit the deformation of the cab if the machine tips or rolls over. The cabs are load tested in three planes - vertically, longitudinally and laterally.

Call William Adams today for more information, or visit [www.williamadams.com.au](http://www.williamadams.com.au)

Head Office Victoria  
William Adams Pty Ltd  
17-55 Nantilla Road  
Clayton North Vic 3168  
Ph (03) 9566 0666  
Fax (03) 9561 6273  
[www.williamadams.com.au](http://www.williamadams.com.au)

#### Locations

Laverton • Swan Hill • Traralgon • Orbost •  
Wodonga • Launceston • Hobart • Horsham •  
Mildura • Geelong • Burnie

William Adams



## CONSTRUCTION MATERIAL PROCESSORS ASSOCIATION

P O Box 396

Kilmore VIC 3764

Ph: 1300 267 222

Ph: 03 5781 0655

Fax: 03 5782 2021

Email: enquiries@cmpavic.asn.au

Web: www.cmpavic.asn.au

### SECRETARIAT

Public Officer: Bruce McClure

Honorary CEO: Ron Kerr

Development Manager:

Adrian Town, Tel. 0427 309 038

Administration Officer: Gavin Moreira

### MANAGEMENT COMMITTEE

Chairperson: Tim Bird

Associate Chairperson:

David Batson, Tel. 03 9566 0666

Treasurer: Robin Hocking

#### Members:

Peter Baenziger

John Mawson

David Carrucan

Basil Natoli

Garry Cranny

Grant Phillips

David Eldridge

### ASSOCIATE COMMITTEE

Ass. Chairperson: David Batson

Ass. Vice Chairperson: Frank Santoro

#### Other Members:

Mark Thompson

Sharron O'Donoghue

Craig Staggard

Chris Prowse

Steve Burgess

#### Copyright

Sand & Stone is distributed to all Members and interested parties within the clay, gravel, hard rock, lime, masonry, recycling, sand and soil industries. No part of this publication may be reproduced or copied in any form without the written permission of the publisher.

For copyright waiver enquiries please call the Secretariat on 03 5781 0655, or e-mail at enquiries@cmpavic.asn.au

#### Disclaimer

The CMPA takes all care in the preparation of Sand & Stone, but accepts no responsibility or liability for the accuracy of the published information. Persons acting on any opinion, advice, fact or advertisement published in this issue does so entirely at their own risk.

The CMPA advises that where plant and equipment such as pressure equipment, tractors, earthmoving equipment, lasers, scaffolds, temporary access equipment, explosive powered tools, turbines, cranes, hoists, etc or any plant that processes materials by an energy source other than manual labour (excluding hand held electric, pneumatic or compressed air hand held tools) the requirements of the OHS Regulations 2007 and its updates and other guidance material apply.

# CONTENTS

## COMMENTS

From the CMPA Secretariat, **Pg 5**

## FEATURES

Members day out at Bendigo, **Pg 8-9**

Native Vegetation – Clarifying the Issues, **Pg 10-11**

Cultural Heritage Management Plans – A User's Guide, **Pg 12-13**

Getting value out of your CMPA Membership, **Pg 15**

CMPA News' 50th publication, **Pg 16**

Get on board with CMPA Innovation Award, **Pg 17**

Groundwater Licensing for Quarries, **Pg 19**

## SAFETY

Tipper Tray Safety, **Pg 20**

Preventing Slips, Trips and Falls from Truck Cabins, **Pg 21**

## BUSINESS

10 Hot Tips to Manage Cash Flow & Credit, **Pg 22**

## EDUCATION

New Light Vehicle Safety Checklist, **Pg 27**

## MEMBERSHIP

Terex® Compact Cone Crusher Makes Big Impact, **Pg 29**

Accurate Measurement for Mobile Crushers, **Pg 30-31**

# REGULARS

CMPA News.....	6-7
DPI Update.....	25
VLPA Update.....	26
Training & Events.....	33
Associates Directory.....	35





# Exclusive dealers for: Powerscreen Mobile Crushing & Screening Equipment, Pilot Crushtec, Tesab, Rapidmix Pugmills

**Free Call 1800 182 888 At Your Service, Anytime, Anywhere**

**Contact Details:**

Nth Queensland NT .....	Erwin Koch .....	0428 889 808
South East Queensland .....	Stuart Hamilton .....	0400 888 788
New South Wales .....	Darryl James .....	0438 603 177
Victoria & South Australia ..	Gary Payne .....	0438 700 838
Western Australia .....	Henry Neville .....	0438 880 810
Papua New Guinea .....	Erwin Koch .....	0428 889 808
Tasmania .....	Dave Stoner .....	0419 882 862

**Technical Support**

Queensland .....	Bruce Henry .....	0409 300 818
New South Wales ...	Darren Smith .....	0417 602 108
Victoria/SA .....	Adam McGregor ..	0407 744 860
Western Australia ...	Colum Igoe .....	0400 882 883

**After-sales & Special Projects**

Albert Toal .....

0409 708 880

A member of the Lincom Group of Companies

[www.lincom.com.au](http://www.lincom.com.au)

[sales@lincom.com.au](mailto:sales@lincom.com.au)

## CEMENT THAT'S KIND TO THE ENVIRONMENT

The Ecoblend range of cements are specially formulated to reduce the environmental impact of cementitious binders used in concrete and stabilisation products.

Please call 9676 0000 for a free carbon abatement comparison or go to [www.independentcement.com.au](http://www.independentcement.com.au)

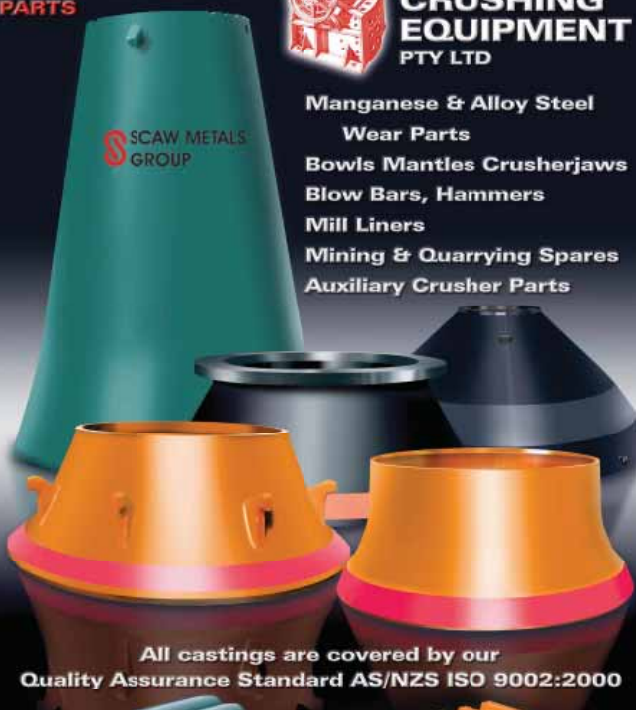


QUALITY ASSURED  
ALTERNATIVE WEAR  
PARTS



**CRUSHING  
EQUIPMENT  
PTY LTD**

- Manganese & Alloy Steel  
Wear Parts
- Bowls Mantles Crusherjaws
- Blow Bars, Hammers
- Mill Liners
- Mining & Quarrying Spares
- Auxiliary Crusher Parts



All castings are covered by our  
Quality Assurance Standard AS/NZS ISO 9002:2000

<b>MELBOURNE</b> 7 Beverage Drive Tullamarine, Vic 3043	<b>PERTH</b> 88 Barberry Way Bibra Lake, WA 6163	<b>BRISBANE</b> Unit 10, 54 Notar Drive Ormeau, QLD 4208
Office: (03) 9338 0200	Office: (08) 9434 5552	Office: (07) 5546 7766
Fax: (03) 9338 0600	Fax: (08) 9434 5515	Fax: (07) 5540 7377

Web : [ozzfoundries.co.za](http://ozzfoundries.co.za)  
Proudly supporting the CMPA & it's Members

## FOCUS

creative development solutions

- Town planners
- Environmental consultants
- Development consultants
- Project managers

Our practice is experienced in obtaining approvals for extractive industry, landfill and land development projects.

Contact: Jack Kraan Email: [jkraan@focuscds.com.au](mailto:jkraan@focuscds.com.au)  
Phone: (03) 8794 9911 Fax: (03) 8794 9922

## Fifty Issues of CMPA News!

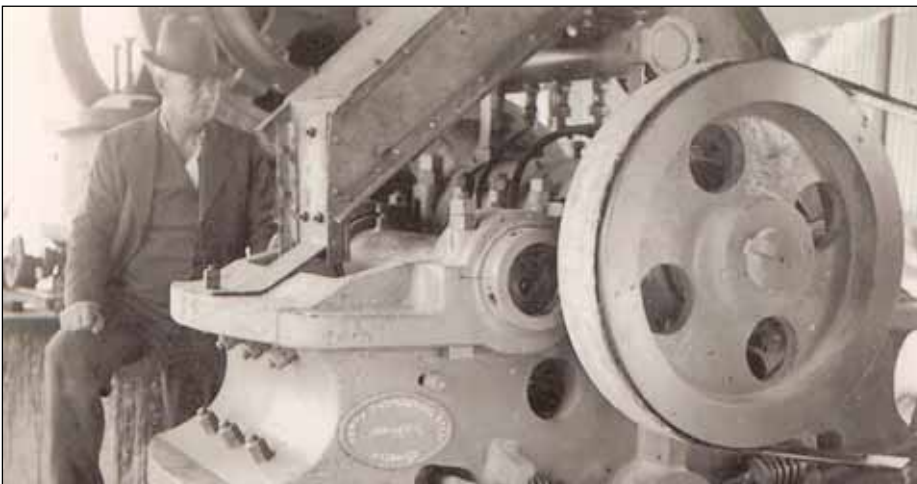
CMPA Newsletter's original editor, MIKE McCANN, reflects on the growth in the magazine from its first edition to the current 50th edition of *Sand & Stone*.

THERE has been a great deal of progress from the first *CMPA News* back in June 2000 to the current 50th edition of *Sand & Stone*. This reflects the growth in the CMPA as a professional industry association that assists its Members to further grow their businesses.

The first *CMPA News* was a four page black and white photocopied production that focused on establishing the association and communicating its aims and objectives. Associate Members were first to advertise in Edition 2 and many are Members who still advertise in today's *Sand & Stone* including CK Prowse & Associates, Focus Creative Development (then KLM Gerner Consulting Group), Indeco, Jaques and William Adams. What loyalty over the last ten years!

The support of the CMPA Members over the last ten years has seen the association and the newsletter expand and evolve. As the newsletter grew and became more involved, the Secretariat with the assistance of a media professional in Tom McKenny, took over the production of the blue covered, twenty two page *CMPA News and Trading Guide* from November 2002 with edition 8. The title was shortened to *CMPA News* in July 2004 and turned into a black and white, glossy, twenty four page production with edition 25 in February 2006. The magazine further grew into the current *Sand & Stone*, glossy, colour, up to thirty six page production in edition 39 of July 2008. Since then, the front cover has regularly featured CMPA Members and their business.

Site Photo – McKenzie Creek Quarry



During this time, the magazine has produced stories that cover all areas of CMPA interest and industry news. There are many stories covering Annual Dinners, workshops, health and safety issues, government policy and legislation along with education and training updates, all with the aim to educate and foster communication between CMPA Members. Of course, many Members do not look as young as they did in photos from earlier editions!

Well done to all the people involved in the production of the magazine over the last ten years. It certainly takes time and effort to produce such a quality magazine every two months. *Sand & Stone* is now recognised as a leading industry publication with articles relevant to all in the construction material processing business.

I am confident that the magazine will continue to grow and expand into the future. I notice that the CMPA is introducing the CMPA Innovation Awards this year to recognise and reward new ideas and business improvement. This is just another example of how CMPA is working to grow the operational abilities of its Members. *Sand & Stone* is a key vehicle to communicate this to all industry participants.

Congratulations on the 50th edition. I look forward with interest to the bright future for *Sand & Stone* and the CMPA. ■



## GOVERNMENT TAX REVIEW

The Commonwealth Government's implementation of the Henry Tax Review has made the following changes relevant to the quarrying and small business sectors:

- The Resource Super Profits Tax (40% tax on profits above a set amount) MAY apply to the extraction of low value construction materials such as sand and stone. This issue will need to be resolved with Government.
- Reduce the company tax rate for small business companies from 30% to 28% effective from 2012-13.
- Allow an instant write off for small businesses who buy assets with a value of up to \$5,000.
- Enable small businesses to calculate all other depreciation deductions by allocating all depreciating assets to a single 'pool' which will be subject to a 30% write off.
- Increasing the Superannuation Guarantee rate from 9% to 12% by 2020.
- Introduce a Resource Exploration Rebate which allows an immediate rebate of 30% of expenditure spent on exploring for "quarry minerals" after 1 July 2011.

Contact the CMPA Secretariat on how these changes will impact on your business.



# CMPA NEWS

By **CMPA SECRETARIAT**

Welcome to the 50th edition of *CMPA News*! Below is a summary of the latest news and happenings from the *CMPA Secretariat*.

## RECENT EVENTS

**Announcement of CMPA Innovation Awards (see page 17 for more detail).**

**CMPA Day at Bendigo with tour of Allstone Quarries, Guarding Workshop followed by Members General Meeting (see page 8 for more detail).**

**CMPA met with Tony DeDomenico of the Urban Development Institute of Australia to discuss how the costs of construction material affects house affordability.**

**Secretariat held discussions with Tom McKenny on how to update the look and feel of the *CMPA* magazine and manuals. Look out for the new, improved look in an upcoming edition of *Sand & Stone*!**

**CMPA representatives met with Percy Pillai, Health & Safety Representative Support Officer to discuss the upcoming *CMPA* Health & Safety Representative Workshop.**

**Submission to the EPA on their draft Noise from Industry in Country Victoria guideline.**

**Shot Firers Refresher Training & Assessment conducted at Box Hill.**

**Work Safely and Conduct Crushing & Screening training courses were held at Bendigo.**

**Comments were made on the DPI's Draft Extractive Industry Work Plan Guideline.**

**CMPA attended the DPI Earth Resources Regulation Stakeholders Forum.**

## NEW WORK PLAN GUIDELINE

The *CMPA* has provided comments to DPI on the draft of the updated Extractive Industry Work Plan Guideline. This guideline outlines the requirements of the scope of a work plan and replaces previous guidance material (G3 and G4). Thank you to the members who provided input into the *CMPA* comments. The final version of the guideline will be available shortly from DPI.

Copies of the draft guideline are available from <http://new.dpi.vic.gov.au/earth-resources/whats-new>.

## FREE OHS REVIEW

The *CMPA* with the assistance of WorkSafe has a number of free reviews of your sites OHS system and issues until the end of June 2010. These consist of a 3 hour session with an OHS consultant who will develop an action plan for your business to move forward at no cost to you.

Any business with less than 50 employees is encouraged to apply – *CMPA* Member or not. As this is being funded by the State Government, this is an opportunity not to be missed.

To book a session, contact the Secretariat - get in now before the end of financial year.

## CHANGE IN STAFF

Roger Buckley has resigned from his position as *CMPA* Executive Director as he's accepted an offer to work with the Victorian office of the CCAA in their policy and government relations area. "I have really enjoyed my time over the last 11 months with the *CMPA* and I thank all the Members and Management Committee for their support and assistance" Roger said. "I look forward to working with the *CMPA* in the future on common policy issues. An industry wide approach to government where possible, often yields the best results" he added.

## WORKSAFE INFORMATION SESSIONS

Get the latest information direct from WorkSafe on:

- Changes to the law – what do the reforms of the Accident Compensation Act mean for your business? These reforms are designed to reduce red tape for employers as well as significant changes in the area of return to work.
- Safer workplaces – find out how to meet and exceed your health and safety obligations and get access to the latest information on topical issues.
- Your WorkSafe premium for 2010/11 – Learn about the important link between better safety, effective return to work practices and the amount you pay in premiums.

Don't wait until you have a WorkSafe inspector knocking on your door to find out what your obligations are. Act now! Visit [www.worksafe.vic.gov.au/register](http://www.worksafe.vic.gov.au/register) to book your place now. Sessions are scheduled for various regional centres and metropolitan Melbourne until 11th June 2010.

## NOISE IN COUNTRY VICTORIA

The *CMPA* recently provided a submission to the EPA on their draft Noise from Industry in Country Victoria guideline. Key points made include:

- Supports earth resource noise limits not being planning based
- Supports the new noise limits being slightly higher than previous guideline
- Notes that the new noise limits may drive quarries to be located in areas with higher background noise, impacting on potential buffer distances
- Notes that some operations may find it difficult to operate before 7am and Saturday afternoons
- There are concerns regarding the cost of ongoing site monitoring and welcomes EPA advice on cost effective methodology and equipment.

## EES PROCESS INQUIRY

The CMPA recently provided a submission to the Parliamentary Environment & Natural Resources Committee Inquiry into the EES Process in Victoria. This submission was developed in consultation with the CCAA but with separate submissions with many similar points made by the two organisations. The CMPA submission made the following key points:

- Regulatory bodies should make decisions based on evidence according to the triple bottom line of social-environmental-economic values without undue political pressure.
- Mandatory time frames for certain milestone decisions should be introduced and enforced.
- An appeal mechanism for proponents should be introduced.
- Streamline and synchronise the EPA Works Approval and MRSDA requirements with the EES process.
- Industry experts are available to advice government during the EES process.
- Senior government officials (at least Director level) are required to attend Technical Reference Group meetings.

## SAFETY MATTERS

A key role of the CMPA is to assist industry in working towards a safer work place. Quarry operators should be proactive in safety by developing a body of documented evidence that can prove they have been actively developing a safe work environment.

Attendance at CMPA Workshops, attending the Work Safely course (see page 33 for details), obtaining a free OHS review through the CMPA and a full complement of CMPA operator checklists contributes to such evidence should the need arise.

WorkSafe's compliance branch has recently finalised 94 prosecutions under the Occupational Health and Safety Act with fines totaling \$5 million. There has also been an increasing trend to prosecute directors or company owners, with three directors recently prosecuted for failing in the duty to ensure their company was complying with the Occupational Health and Safety Act. One has yet to be sentenced. Another was found guilty and fined \$25,000. A third director was fined \$3,000 without conviction for failing to ensure their company complied with an improvement notice.

## STATUTORY WORK PLAN PROPOSAL

DPI sought industry comment on their proposal for the endorsed work plan to become a statutory process. Due to the strong support for the proposal from the CCAA and the MCA, DPI has included this proposal in their Review of the MRSDA Stage 1 bundle of legislation that was presented to Minister Batchelor, despite the objection of the CMPA. It will then be put forward into a Bill for passing into legislation by Parliament, probably in August/September 2010, just sneaking in before the next election.

## FREE EMPLOYEE HEALTH CHECKS

WorkSafe is offering free 15 minute health checks for employees of small businesses. The aim of these checks is to identify and reduce preventable chronic disease by checking blood pressure, cholesterol and other lifestyle risk factors that impact health. Early detection of the risk factors not only means healthier employees, but importantly can lead to reduced absenteeism and increased productivity in your workplace. The checks are conducted in private by a qualified health professional.

For more information or to apply for WorkHealth checks call 1800 136 089 or visit [www.workhealth.vic.gov.au](http://www.workhealth.vic.gov.au)

## FUNDING FOR TRAINING

An additional \$25 million from the Commonwealth Government has been made available to fund training of people wishing to obtain a Certificate II, III or Diploma qualification, including qualifications from the nationally accredited extractive industry training package. Small businesses with less than 100 employees may be eligible for financial assistance up to 90% of course costs.

Contact Ray Townsend of SkillsDMC National Industry Skills Council on 0429 00438 or [vicregion@skillsdmc.com.au](mailto:vicregion@skillsdmc.com.au) for more information.

## JOB OPPORTUNITY

**Foreman / Supervisor:** Full time position at an outer metro quarry – located at Castella on the Melba Highway. Knowledge of quarry operations, OH&S and Mobile Plant preferred. Resume to: Castella Quarries, PO Box 420, Yarra Glen, 3775 or email: [castellaq@bigpond.com](mailto:castellaq@bigpond.com)

## HEALTH & SAFETY REPS. WORKSHOP

Are you aware of your obligations with respect to HSR's on your site?

- Do your Health & Safety Rep's want to better understand their role in an industry context?
- Do you want to identify common issues, risks and workable solutions in this industry?
- Do you want your Health & Safety Rep's to get to know other Health & Safety Reps so that you can work together in the future?
- Are you aware of the proposed harmonisation of OH&S laws across Australia?
- Do your Health & Safety Rep's have linkages with WorkSafe and the industry's Health & Safety Representative Support Officer?

If so, you need to attend the CMPA HSR Workshop.

**DATE:** Thursday 17th June 2010

**TIME:** Noon - 4pm

**WHERE:** William Adams, Laverton Training Centre  
32-42 Spencer Street, Sunshine

**COST:** \$40 Members,

\$70 Non Members,

*(Note that this is not OHS training as defined in the OHS Act)*

Contact the CMPA Secretariat for more information on 1300 267 222 or [enquiries@cmpavic.asn.au](mailto:enquiries@cmpavic.asn.au)



# MEMBERS DAY OUT IN BENDIGO

CMPA SECRETARIAT reports on the successful day recently held at Bendigo for CMPA Members.

**T**HE fine morning of 18th March 2010 saw over 40 representatives of the quarry industry from all over Victoria meet at the All Season Quality Inn at Bendigo to get on the bus for the tour out to the Allstone basalt quarry near Newbridge.

Tim and Wes Bird, Quarry Manager Kelvin Nicholson and all the Allstone team had put in a great effort to have the operation in tip top shape for the site tour. The sales team from Astec and JCI was also on hand to give a run down on the new JCI Kodiak K400+ cone crusher which operated beautifully.

Then it was back on the bus back into Bendigo for a quick bite of lunch before Sarah Andrews facilitated the Guarding Workshop. WorkSafe provided an overview of operator's legal obligations with participants then working in groups through key guarding issues, discussing pros and cons of various attachment methods and developing Job Safety Analysis procedures for the various guarding situations encountered on fixed plant.

After a short break, the CMPA Members General Meeting was held. This was an opportunity to be updated on some key issues by the experts such as:

- Adrian Town of CMPA who provided a summary of the CMPA Reference Manuals,
- Colin Thornton of DPI who gave a summary of rehabilitation bonds,
- John Pititto of Mead Partners who outlined some handy hints on managing credit during these economic conditions,
- Graeme Newman of VicRoads who presented an overview of recent changes to specification and an idea of future directions, and
- Roger Buckley of CMPA who provided a quick summary of recent interactions with Government and asked for input into future CMPA activities.

This was followed by a BBQ dinner and networking with other Members. A total of 60 CMPA Members, government staff and other industry personnel participated in the various aspects of the day. Thanks to all those who helped make the day such a success, especially the presenters.

*All presentations made on the day can be viewed on the CMPA website [www.cmpavic.asn.au](http://www.cmpavic.asn.au). Have a look at them today!*

## Guarding Workshop at All Seasons Bendigo



*CMPA Member, Brian Calovic, provides his summary of the CMPA day at Bendigo.*

### ALLSTONE QUARRIES VISIT

I was very impressed with the presentation of the quarry site. It appeared to be very well managed and extremely clean and tidy. It definitely left me feeling embarrassed on the condition of my own site. Full credit to the team at Allstone.

We inspected their new JCI Kodiak K400+ cone crusher, a 400 tph capacity floating top shell cone crusher. Overall height was approx 2m so a very compact machine compared to a J50. CSS was set on 28mm and I'm told it would be able to comfortably open to a CSS of 40mm with spare draft from new. Draft range was from 4.25"-14.00".

It has a sensor that counts movement on the locking ring threads as it is adjusted to determine CSS with potential for automated CSS adjustments. It also had a fixed wear indicator to give operators an idea of manganese life. Although this does not mean daily checks are removed, it has potential for some form of automation.

Manganese changes appear to be done easily. It has a tramp metal relief system that uses a mechanical hydraulic pressure relief valve system to release the top shell and relieve pressure. This system is also used to empty the crusher chamber after a power failure or crusher stop event.

Everyone at Allstone had nothing but praise for the machine. They had a parts issue in the early stages but now they had parts EX-USA within 2 days.

The machine appeared to flow well with good reduction size passing the crusher. They had a problem with motor overload set at 535A but have not had a problem since raising the load limit to 570A.

The motor was purchased second hand and overhauled. Drive system is a single belt driven by splined pulleys. Hydraulic components were located outside of the machine, with good access for maintenance.

The electronic control box supplied with the crusher seemed operator friendly. The two representatives from JCI USA were very knowledgeable and keen to get a shot at the Australian market. All people representing the crusher came across as very proud and excited with their product. The crusher would be a good option to consider if you were in the market for a crusher of this type.

### CMPA FIXED PLANT GUARDING WORKSHOP

The visit to Allstone was followed with the Guarding Workshop back in Bendigo. During the Workshop it was interesting to hear what others do on their sites and what individuals think is appropriate or not in their own applications.

I do think that the issue of guarding should be a simple one. If it moves or has the potential to injure someone then it must be guarded. The guard should be bolted or locked in place some way that a tool is required to remove it and ensures that the person has consciously made the decision to remove the guard. Electrical interlocks work well but may not be practicable for all applications.

While some methods of guarding and attaching guarding are debatable the fact that guards must be fitted to protect people from injury should be a 'no brainer'.

I was horrified listening to what some people were saying on what they considered acceptable. Equally horrified by how many owners/





Above: Site Visit to Allstone Quarry  
 Below: Inspection of the new JCI Kodiak K400+ cone crusher

operators/managers were happy to stick their heads in the sand. How do we get people to put guards back on? This is clearly a thing of culture that needs to be inserted into people's brains as not negotiable. Management need to enforce and monitor this.

Cleaning under guards and removing guards was also a point raised several times. While we are all about production and achieving production outcomes, surely safety must take precedence. Why not look a step back at the reason for the spillage and address that. There are of course break downs but in those out of the ordinary circumstances do we not just stop, repair & resume. If the procedure is to stop production and safely resolve, then so be it.

It always gets me how people will argue to comply with minimum standards not maximum achievable safety protection. Guarding is there to limit our liability and most importantly protect us from injury. If it needs a nut & bolt, if it takes time, if we need to walk to the workshop and get a tool, etc, etc, just do it!

If we considered ourselves or our own loved ones what would we want? The minimum standards or the best protection?

### CMPA MEMBERS GENERAL MEETING

It's always good to attend these meetings for networking and to hear from very informative speakers. It does however make for a long day. Unfortunately we did have to leave early after the meeting with the long drive home.

Adrian Town of the CMPA provided an overview of the CMPA Reference Manuals. These manuals are something the CMPA should be proud of, given the amount of time and effort needed to put something like this together.

Colin Thornton from the DPI provided a talk on rehabilitation bonds. He gave a summary of the how the bonds system works and a few suggestions on how to minimise them. The question and answer time indicated that this is still a contentious issue for many operators.

The financial cash flow talk from John Pititto of Mead Partners was interesting and informative (see the Mead Partners article on page 22). He made some good points that can be looked at from all levels. Cash flow is something that could be better managed.

Graeme Newman from VicRoads provided an overview of specification changes and Vic Road's future directions which was also very informative. I was not aware that these changes were taking place. I am concerned about changes being made to the 7mm specification and flats on sealing aggregates. I will be interested to see how the registration of product blends works out. Also looks like there is planned to be an easing of test requirements which is a good thing. The issue of VicRoads needing to oversee the transport contractors and not just focus on the quarries was also raised. ■



*Thanks to our sponsors, Astec Australia  
 for making the day possible*



# Native Vegetation – Clarifying the Issues

The CMPA SECRETARIAT attempts to clarify some of the issues that commonly occur in applying the Native Vegetation Framework to extractive industry projects.

**V**ICTORIA'S Native Vegetation Management: A Framework for Action (the Framework) was released in 2002. The primary goal for native vegetation management is a reversal of the long term decline in the extent and quality of native vegetation, leading to Net Gain.

Since 2002, numerous guidelines, information sheets and forms have been developed to explain how this simple concept is enacted in practice. Working your way through all this material requires the assistance of a professional, but even then there can be differences in perspectives and understanding between operators, consultants and DSE staff.

In 2009, the Native Vegetation Management Guide for the Earth Resource Industries (the Guide) was jointly published by DPI and DSE after industry feedback, including the CMPA's. It aimed to provide guidelines for the many specific issues faced by the quarrying and mining sectors. This has certainly been a useful step forward and helped to clarify many native vegetation issues specific to mining and quarrying. However, it is not until the Guide has been used by a wide variety of users that some areas of misunderstanding or confusion have come to light.

Some following points of clarification have recently been received from DSE on some of the issues in the Guide that were causing confusion.

**QUESTION** – Are the Offset Plan and Offset Management Plan the same term?



Site Photo – Port of Portland

**DSE RESPONSE** – Yes, these terms are interchangeable terms but relate to the same document (this inconsistency will be amended when the Guide is reviewed).

**QUESTION** – There has been some misunderstanding on the timing of submission and required detail of the Offset Plan (OP). The flowchart on page 2 of the Guide indicates that an OP is required to be submitted with the draft Work Plan to DPI for DSE to assess, and if appropriate, for DSE to then respond to DPI that the Work Plan can be endorsed. On the other hand, Section 5 of the Guide states that “Once clearing has

been approved by the Responsible Authority and/or DSE, a proponent is required to draft an OP... ..”, which implies that the detailed OP is only required later in the Planning Permit approval stage, not with the submission of the draft Work Plan stage.

**DSE RESPONSE** – As part of approving the removal of native vegetation, DSE/DPI must be satisfied that the three step approach of avoid/minimise/offset has been followed. This includes being satisfied through the information provided by the proponent that offsets are available/achievable. DSE requires this to be provided in the form of a draft



## TEREX | JAQUES

Designed & Serviced Locally with 24HR Support.



**SALES**

Phone: 03 8551 9300



**SERVICE**

[www.terexjaques.com](http://www.terexjaques.com)



**SPARE PARTS**



**ENGINEERING**

Fax: 03 8551 9370

OP at the Work Plan stage. Requiring the submission of a draft OP encourages native vegetation removal and offset liabilities to be considered at the planning stage. This enables the proponent to understand their native vegetation liabilities at the outset and reduces the risk of issues arising at a later stage.

It should be noted that for Very High Conservation Significance (VHCS) native vegetation, the offsets must be 'initiated' prior to the loss. This includes the approval of the finalised OP by DSE. For all other (non VHCS) losses, this OP must be approved by DSE as soon as practicable after the native vegetation is removed and no later than 12 months. For Very High Conservation Significance (VHCS) native vegetation the removal must also be approved by the Minister.

In order to clarify the process described above in the Guide, the wording of Section 5 will be clarified and the flowchart revised to include two separate pathways, one for VHCS and the other for non-VHCS. The flow chart will also be amended to note that the initial OP submitted is a draft OP.

**QUESTION** – Are Section 173/69 agreements required to be in place prior to a Work Plan being endorsed as Appendix 3, p22 of the Guide indicates that 'security' arrangements must be investigated, not necessarily in place, in an OP?

**DSE RESPONSE** – Section 2.2.4 of the Guide indicates that.... offsets must be secure (on title) and ongoing. Therefore, prior to a tenement (or Work Authority) being relinquished, all offsets must be secured on title with an ongoing agreement.

This differs from the standard requirement and is a concession for the earth resources industry in recognition of the security afforded to these sites from the DPI's ongoing regulation. For example, the standard, non earth resource industry requirement DSE has established for offsets being 'initiated' includes security arrangements being in place. It should be noted that any draft OP would benefit from outlining how the security will be provided in the future, or at minimum, the options available for securing the offsets on title, once the Work Authority is relinquished.

It would be beneficial for proponents to understand these requirements earlier rather than later in the process.

CMPA Note: The proposal by DPI to make the endorsement of the work plan a statutory process should not change this requirement for security arrangements for offsets to be in place prior to the Work Authority being relinquished, rather than prior to endorsement of the work plan. ■

*Copies of the Vegetation Management Guide for the Earth Resource Industries are available from the DPI website at <http://new.dpi.vic.gov.au/earth-resources/earth-resources-industries/minerals/guidelines>*



**www.wamaust.com.au**

Specialists in Equipment for handling  
Powders & Granular Materials

The WAM Group is a world leader in supplying custom built equipment used for handling Powders & Granular materials. Specialising in equipment produced using cutting edge technology, standard modular design and manufactured from materials of the highest quality together with our proven level engineering excellence, reliability and price to performance ratio makes WAM the choice for all your material handling needs. So what ever your industry, when you need material handling equipment on time on budget, give WAM Australia a call. Specialising in providing material handling solutions.

For your material handling and dust control needs call

**WAM Australia Pty Ltd**

*Head Office*

5 Eastspur Court Kilsyth Vic 3137

**Tel: +61 3 9737 4700 Fax: +61 3 9761 4940**

- ◆ Bag Breakers & Compactors
- ◆ Bulk Bag Unloaders
- ◆ Butterfly Pinch & Slidegate Valves
- ◆ Cone Bin Activators
- ◆ Dust Filters, Cartridges, & Bags
- ◆ Fluidisation pads and nozzles
- ◆ Bin & Silo Level Indicators
- ◆ Loading Bellows
- ◆ Micro Batch Feeders
- ◆ Silo over-filling protection systems
- ◆ Ploughshare and paddle mixers
- ◆ Rotary Valves, Droptrough & Blowthrough
- ◆ Screw Conveyors – Vertical Sludge
- ◆ Bucket Elevators
- ◆ Vibrators, Pneumatic & Electric
- ◆ Dust Conditioners
- ◆ Water Treatment Plants
- ◆ Concrete Reclaimers



# Cultural Heritage Management Plans – A User’s Guide

IAN HAMM, Executive Director Aboriginal Affairs Victoria provides an overview of how to deal with Aboriginal heritage issues.

VICTORIA has been a great place to live for many thousands of years. The result of this is physical remnants of earlier lives – Aboriginal places and objects. There are also places of spiritual importance that may appear in legends and stories. All such places are important as a connection for Aboriginal people between the present and the past. For Aboriginal Victorians, such places carry cultural, spiritual, social and political meaning. For all Victorians, these places tell the story of the State, and provide valuable scientific insights into the way that all of our ancestors used the environment in the past.

These places are often fragile and vulnerable to harm from modern industry and development. The Victorian Government in 1972 decided that Aboriginal heritage required legislative protection. That protection continues today.

The Aboriginal Heritage Act 2006 states that an Aboriginal place or object cannot be harmed without permission. Permission is granted either through a cultural heritage permit or a cultural heritage management plan. But for many extractive industry activities, a Cultural Heritage Management Plan (CHMP) will be more appropriate than a permit. Let’s have a look at the process.

First, you have to determine if you actually need one. A CHMP will be required if you are planning to do any of the following activities on land identified as an area of cultural heritage sensitivity:

- An activity that requires an Environment Effects Statement (EES)
- An activity that requires an extractive industry work authority under s.771 of the Mineral Resources (Sustainable Development) Act 1990
- Extracting or removing stone (other than sand or sandstone) using machinery that doesn’t require a work authority, but is for the sale or commercial use of the stone or the use of the stone in construction, building, road or manufacturing works and the size of the extraction is more than 2000 sq m.



Site Photo – Goulburn Valley Resources

- Extracting sand or sandstone by machinery that doesn’t require a work authority, except:
  - if that sand or sandstone is from a farm and for non-commercial purposes; or
  - if the sand or sandstone is for or on behalf of DSE for DSE works; or
  - if it is for marine navigational purposes or the establishment or renourishment of a beach; or
  - for a port facility, railway or tunnel; or
  - for the footings or foundations of a building or structure.

**SALES-SERVICE-HIRE**

**STRIKER CRUSHING & SCREENING**  
Inquiries contact:  
East Coast: Chris Lane - 0400 446 797  
West Coast: Patrick Kelly - 0447 977 117  
[www.strikercrushing.com](http://www.strikercrushing.com)

**Bell, Cochrane & Associates**  
Extractive Industries

**PROFESSIONAL SERVICES TO THE QUARRYING & SAND EXTRACTION INDUSTRIES SINCE 1969**

- Locating & Evaluating Extractive Resources
- Source Material & Product Evaluation
- Quarry & Pit Development Planning
- Practical Work Plans for DPI & other Approvals
- All forms of Mapping and Graphical Presentations

“ FULL IN HOUSE EXPERIENCED & PROFESSIONAL GEOLOGICAL, RESOURCE ENGINEERING, ENVIRONMENTAL & CARTOGRAPHIC TEAM ”

Tel: (03) 9710 1800 email: [admin@bellcochrane.com.au](mailto:admin@bellcochrane.com.au)

- Searching for stone that would cause significant ground disturbance.
- Extracting or removing loose stone from agricultural land on the Victorian Volcanic Plain.

If you are planning any of these activities, check to see if the land where you are planning to work is an area of cultural heritage sensitivity. Do this by looking at the GeoVic website (<http://new.dpi.vic.gov.au/earth-resources>). Zoom into your land and add the Aboriginal heritage layer to the map.

If a CHMP is needed the next step is to find a cultural heritage advisor to prepare it. Aboriginal Affairs Victoria (AAV) has a list of advisors on its website (see below). We recommend that you obtain at least three quotes. Be as detailed as possible about your proposed activity when asking for a quote.

The cultural heritage advisor will take control of the CHMP process. In order to comply with the Act you must:

- Notify the relevant Registered Aboriginal Party (RAP), if there is one, AAV and affected landowners, in writing, of your intent to prepare a CHMP. Allow 14 days for a response from the RAP. If the RAP doesn't respond within this time, or declines to evaluate the CHMP, you must notify AAV of the RAP's decision. AAV will then evaluate the CHMP.
- If there is no RAP, AAV will evaluate the CHMP.
- Before and during the fieldwork, you must make a reasonable effort to consult with the RAP. Your heritage advisor will help with this. Ask questions, get involved, and discuss the project with the advisor and the RAP.
- Make yourself aware of the 3 different types of CHMP (desktop, standard and complex) and when they are required. Each type will have different costs and timelines.
- After the fieldwork, meet with the advisor and the RAP to discuss the recommendations. This is vital as the recommendations are binding. It is important that you are happy with them.
- You must apply to either the RAP or to AAV for approval of the CHMP. You must pay the appropriate evaluation fee to the RAP with this application. Allow 30 days for evaluation.

You will then receive a letter notifying you of the decision. If the CHMP is refused, you can do more work to get it up to standard and resubmit (AAV can help you with this), or you can elect to appeal the decision to VCAT.

Once you have an approved CHMP, you can then obtain your work authority, or commence work. You don't need to wait for the approved CHMP before applying for other approvals. All other permits, except the final work authority under s.77I of the Mineral Resources (Sustainable Development) Act 1990, can be obtained without an approved CHMP.

The CHMP is your management tool, so use it to your advantage. AAV is there to help at any point. ■

You can contact AAV on 03 9208 3333 or by email at [aboriginal.heritage@dpcd.vic.gov.au](mailto:aboriginal.heritage@dpcd.vic.gov.au). The AAV website is at <http://www.aboriginalaffairs.vic.gov.au>

## Solutions for Earthmovers

**Safety Sticker Kits**  
To suit latest Australian regulations

**"Photo" Lockout Kits**  
Now with simple iPhone recording system

**On-Site Computer Signage Fleet**  
Signs completed in 1 call-out

**Fleet I.D. and Fleet Visibility Systems**  
Ultra Hi-Vis Ref. stripes & Cab Caps

Call 1800 707 446  
[www.supersigns.com.au](http://www.supersigns.com.au)

## The Power of Partnership

Access a breadth and depth of Quarry product technology that is available worldwide. Orica's new global product range means consistent names and performance, no matter where you are.

Whether you're in Australia, Austria or Argentina you can now access products such as the Centra™ Bulk System – a high energy, water resistant, pumped emulsion. Manufactured and delivered with precise control, the high on bench productivity of Centra™ allows for faster delivery and turn around of shots. Share the expertise and experience of quarries from every continent with the world's largest explosives manufacturer. **That's the real Power of Partnership.**

For more information contact Frank Santoro  
Tel: 03 9217 6633 Mobile: 0409 493 420  
Email: [frank.santoro@orica.com](mailto:frank.santoro@orica.com)

[www.oricaminingservices.com](http://www.oricaminingservices.com)

Proud supporters of the CMPA



# Multiply Your Capability

## **FAST TRAX<sup>®</sup> MULTI STAGE SYSTEMS**

The fast TRAX<sup>®</sup> system is your one source for the ultimate in productivity, mobility, versatility and adaptability.

Every plant is designed to function in various multi-stage processing systems.

Additionally, each plant is designed to function seamlessly with KPI-JCI stacking conveyors, multiplying your capabilities in both mobile and stationary aggregate recycling applications.

The **ASTEC** Family of Companies, Designs, Engineers, Manufactures and Markets Equipment used to Build and Restore the Worlds Infrastructure.

For your total industrial design solution contact **ASTEC** today on

# 07 3279 1422

Tony Barton or Neil Federer  
enquiries@astecaustralia.com.au  
www.astecaustralia.com.au

# Getting value out of your CMPA Membership

With the CMPA entering into its second decade with confidence, CMPA SECRETARIAT provides an overview of the benefits enjoyed by CMPA Members.

THE CMPA has grown from humble beginnings and now after 10 years, has over 200 Members covering independent operators involved in construction material processing businesses engaged in the extracting, processing or otherwise working in hard rock, gravel, sand, masonry, clay, lime, soil, gypsum, or recycling, as well as industry consultants, industry suppliers and individual workers employed in many of the larger firms.

As with most things in life, the more you put in, the more you get out of it. The CMPA is no different and membership can really help to grow your business.

Just a few benefits of CMPA membership include the following:

## NETWORKING

Meetings are a great occasion for speaking to others in our industry, especially the CMPA Annual Dinner which is a night of fun and entertainment. Other Members may have implemented a new technology or found a way to solve a problem that you are dealing with. The friendships fostered at these meetings can provide you with a sounding board throughout the year.

## MARKETING

The CMPA provides several avenues for suppliers of goods and services to the industry to let potential customers know about their latest products. Advertising or providing articles for inclusion in *Sand & Stone* are popular methods of promotion.

## CMPA Drilling Workshop



CMPA Annual Dinner

## REFERRALS

For operators of quarries, the Secretariat is regularly fielding calls from potential customers seeking a specific sand/stone product in a particular area. The CMPA also lists Members as a "preferred supplier" listing on our website as well as in the annual *Associates & General Information Reference Manual* that is distributed to all members.

## KNOWLEDGE & EDUCATION

A key ambition of the CMPA is to improve operating standards and ensure a continued focus on health and safety in the workplace. The CMPA has produced a range of reference manuals and operator checklists that are a great source of information and improving procedures as well as running training workshops on relevant industry issues.

## DISCOUNTS

CMPA Members are eligible for a 10% discount on their VECCI membership which can be quite a significant saving for some businesses. Membership of the CMPA also allows significantly discounted prices for reference manuals and operator checklists and discounted and priority bookings for safety workshops and training courses.

More information about CMPA membership can be found on our website [www.cmpavic.asn.au](http://www.cmpavic.asn.au)

## BE AN ACTIVE MEMBER TODAY

Active membership provides you with a range of opportunities to grow both personally and professionally. The CMPA exists to advance the construction material industry, which in turn will increase your business. Be an active Member today! And don't forget to tell your colleagues or goods & services suppliers to be part of the CMPA as well. ■

Membership renewal requests will be sent out shortly. The Secretariat looks forward to Members renewing their membership in a reasonable time frame.



# INDECO

## AUSTRALIA Pty Ltd

ABN 96 056 693 344

1 BURGESS STREET, ALTONA NORTH, VICTORIA 3025



### SECONDARY BREAKING



### HYDRAULIC ARM ASSEMBLIES

*Design - Manufacture - Installation*

Each arm assembly individually designed and manufactured to provide maximum safety & efficiency



### HYDRAULIC PULVERISERS

DEALER NETWORK THROUGHOUT AUSTRALIA

~ **Guaranteed 100% parts availability** ~

**TOLL FREE 1 800 801 987**

[indec@indec.com.au](mailto:indec@indec.com.au)

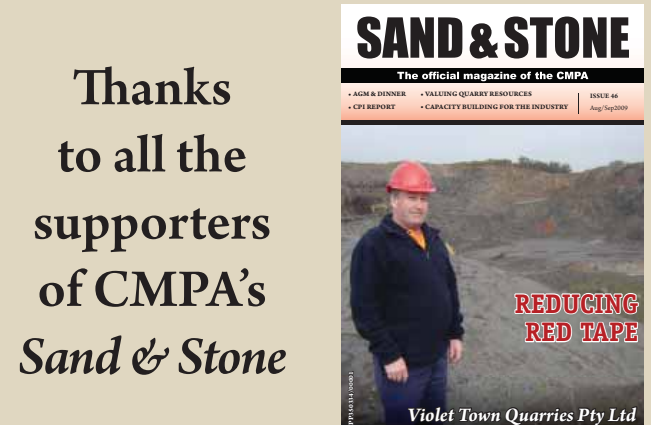
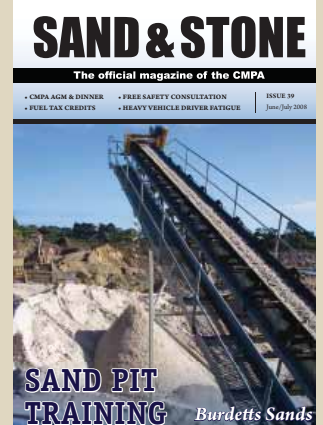
## CMPA NEWS' 50th PUBLICATION

The CMPA has now produced 50 issues of its publication! The magazine publication *Sand & Stone* (which is also supplied as an emag on the CMPA website) has provided eleven Voting Members over the past two years with the opportunity to showcase their business on the front cover and to provide readers with an interesting story into the history and running of their quarries.

Associate Members have also provided insightful editorials and photos outlining the latest equipment and services they currently have on offer to Members.

If you are a Voting Member and would like to be featured on the front cover of *Sand & Stone* or an Associate Member who wants to provide an editorial on their business, please contact the Secretariat.

Maybe your face could be on a future issue of *Sand & Stone*.



Thanks to all the supporters of CMPA's *Sand & Stone*



# GET ON BOARD WITH CMPA INNOVATION AWARD

**T**HE CMPA Innovation Award is a new idea to recognise and reward an innovative development in Victoria's construction material processing industry. The award is open to any CMPA member or their employees that includes any genuine innovative development in the areas of:

- plant maintenance or design, e.g. – new maintenance method that improves efficiency and safety;
- materials processing, e.g. – new technologies that improve production efficiencies;
- staff development and training, e.g. – novel approach to improving workers skills or sharing of information through the work place;
- environmental management, e.g. – site rehabilitation, revegetation, or weed control;
- resource management, e.g. – improved efficiency of use of existing sand/stone resource, pit redesign;
- reducing offsite impacts, e.g. – innovative approach to front entrance design, dust management, noise reduction, blast management or visual impact;
- community relations, e.g. – novel approach to interacting with the local community resulting in improved outcomes;
- new product development, or
- safety or employee health, e.g.
  - solution to a specific safety issue,
  - selection, design and/or safe introduction of new equipment or processes,
  - solution to an identified occupational health hazard that will minimise workers exposure,
  - development of a safer/healthier work procedure

## WHAT IS INNOVATION?

The award will be presented to a genuinely innovative\* development which has been implemented and is reasonably able to demonstrate a significant improvement in the efficiency,

sustainability or safety of that part of the Extractive Industries to which the entry relates. Innovation must have been implemented in the work place in 2009.

\* *Innovation is broadly defined as either a new initiative or an original solution to a specific issue.*

An independent judging panel will decide the winner who will be presented with a \$500 cheque, framed certificate and a perpetual trophy at the CMPA Annual Dinner in August 2010.

## SUBMISSION CONTENT:

Submissions should explain how the development has met the criteria in less than 600 words. Entrants should submit pictures to illustrate the development. CMPA Secretariat support is available to help in the development of the submissions.

Submissions should have the following sections:

- The problem or initiative
- The solution
- Benefits/effects
- Transferability across the Victorian industry

## SUBMISSIONS TO INCLUDE:

- Company/individual name
- Company/individual address
- Contact person position, phone number, mobile & email
- Statement that the intellectual property in your innovation is open source and that you are willing to provide and share the intellectual property in the innovation so that it can be used by others free of charge.

## SUBMISSION DUE DATE

18th June 2010. So start thinking about your entry NOW!

This is an opportunity for your brand new idea to be recognised, rewarded and promoted and all CMPA Members are encouraged to take part in this new initiative. ■



### CONTACT DETAILS & LOCATION

Level 1, 28 Riddell Parade  
Elsternwick, Victoria, 3185

Ph: 61 3 9523 2277  
Fax: 61 3 9523 2177

Email: [john@meadpartners.com.au](mailto:john@meadpartners.com.au)  
Web: [www.meadpartners.com.au](http://www.meadpartners.com.au)

## BUSINESS ADVISORY & TAXATION

In today's economic times the successful management of your business cannot be over-emphasised. Accurate reporting of your trading results is essential so that you can make well-informed decisions about the strategic direction of your business. We at Mead Partners are confident that we have the solutions to all your accounting needs.

### Specialising In:

- Business Advisory • Taxation Advice • Other High Value Services

## CAUGHT BETWEEN A ROCK AND A HARD PLACE?

*We specialise in ensuring your plans for assessing and extracting your resource obtain approvals from DPI and other statutory authorities.*

IT'S WHAT WE DO BEST!

**C.K. PROWSE & ASSOCIATES Pty Ltd**

*Consultants to the Extractive Industries  
with over 25 years experience*

Ph: (03) 9429 2433 Email: [admin@ckpa.com.au](mailto:admin@ckpa.com.au)

EXCLUSIVE AGENTS FOR SANDVIK



# CRUSHERS

Extec C12 Jaw  
IC13 Impactor

Most comprehensive range of Mobile Screening & Crushing equipment



Fintec 1107



Fintec 1080

# CONES JAWS IMPACTORS VSI's

South East Queensland  
Aidan 0427 727 994

North & Central Queensland  
Lou 0428 458 344

NT & Western Australia  
Ray 0438 930 216

VIC, TAS & South Australia  
Mark 0402 026 520

New South Wales  
Damian 0402 026 510

**FREE CALL: 1800 727 991**

Papua New Guinea  
Paul +675 7169 0555

Business Development  
Jimmy 0438 115 227

After Market Sales Manager  
Jonny 0427 727 992

Spare Parts  
Tanya 0413 948 036

**HIRE/BUY  
OPTIONS**

Extensive range of  
Hire Machines  
available

39 Quindus Street  
Wacol Q 4076

P: 07 3271 4155

F: 07 3271 4800

[info@precisionscreen.com.au](mailto:info@precisionscreen.com.au)

# Groundwater Licensing for Quarries

The Department of Sustainability and Environment's 'Groundwater Licensing and Trading in Victoria' fact sheet is now available.

**T**HE Department of Sustainability and Environment (DSE) oversees the monitoring and management of Victoria's groundwater resources.

A DSE fact sheet for all operators and businesses in the earth resource industries is available online via the Our Water Our Future website: [www.ourwater.vic.gov.au](http://www.ourwater.vic.gov.au).

The 'Groundwater Licensing and Trading in Victoria' fact sheet is an introductory guide to groundwater. It provides important information on groundwater licence requirements and trading rules and gives useful contact details.

## IS THIS RELEVANT TO ME?

Some earth resource operations, including quarries, will require licensing for groundwater activities, such as constructing, operating and decommissioning bores and the taking of groundwater for commercial uses. The factsheet provides valuable information on the licensing process.

## WHAT IS INVOLVED IN THE LICENSING PROCESS?

Groundwater is allocated under the Water Act 1989. Rural Water Corporations are responsible for issuing licences for bores and extraction of groundwater in accordance with the Act.

Groundwater use is capped in some parts of the state. Areas where caps apply are illustrated in the fact sheet. Where capped, groundwater may only be available for commercial use through trade.

Proponents are encouraged to discuss projects with the water corporation early in the planning phase to understand water availability and options for securing water.

Licence applications generally need to be supported by technical investigations, the size of which will vary with the volume of water sought and the magnitude of potential environmental impacts.

## MORE INFORMATION

Visit [www.ourwater.vic.gov.au](http://www.ourwater.vic.gov.au) to download the 'Groundwater Licensing and Trading in Victoria' fact sheet. Also in the 'groundwater' section of the website, you will find useful links on groundwater management, accessing groundwater, and other news and information.

For more information on groundwater, contact the Department of Sustainability and Environment Customer Service Centre on 136 186, or your local water corporation:

*Goulburn-Murray Water Corporation*  
PO Box 165, Tatura, Vic, 3616.  
Ph: (03) 5833 5500.

Web site: [www.g-mwater.com.au](http://www.g-mwater.com.au)  
Email: [reception@g-mwater.com.au](mailto:reception@g-mwater.com.au)

*Southern Rural Water Corporation*  
PO Box 153, Maffra, Vic, 3860.  
Ph: (03) 5139 3100 or 1300 139 510

Web site: [www.srw.com.au](http://www.srw.com.au)  
Email: [srw@srw.com.au](mailto:srw@srw.com.au)

*Grampians Wimmera Mallee Water Corporation*  
PO Box 481, Horsham, Vic, 3402.  
Ph: (03) 1300 659 961.

Web site: [www.gwmwater.org.au](http://www.gwmwater.org.au)  
E-mail: [info@gwmwater.org.au](mailto:info@gwmwater.org.au)



Drilling for groundwater

**DPI will be conducting an audit on surface and groundwater management across 50 quarries and mines from August 2010.**

**KINDERK**

BULK MATERIALS HANDLING PRODUCTS



+61 (3) 9587 9244



[sales@kinder.com.au](mailto:sales@kinder.com.au)



[www.kinder.com.au](http://www.kinder.com.au)

## Permanent Suspension Magnets for Quarrying and Recycling Industries

Kinder K-Magnets cover a wide variety of models to suit heavy duty tramp metal removal applications from high speed conveyor belts. Magnetic intensity is designed to suit the required magnetic performance at the suspension.

Innovation - Product Efficiencies - Global Solutions - Environmental Benefits - Service Excellence



> Permanent Magnetic Separators



> Magnetic Head Pulleys

## Tipper Tray Safety

The danger of being crushed underneath a raised tipping tray while inspecting components or doing maintenance work should not be underestimated. Here are some handy hints that make this task safer.

### Background

A number of people have been killed or seriously injured in Australia while inspecting components or undertaking maintenance work underneath raised tipping and tilting trays on trucks and trailers.

Investigations of these types of incidents have revealed a number of causes and an effective preventative measure to reduce the risk of fatalities and injuries from raised trays.

Catastrophic failures, slow leaks of the tray lifting mechanism or its inadvertent activation can all cause the tray to fall, therefore additional mechanical support for the tray must be provided.

### Control measures

1. Never attempt to work or carry out inspections between a raised tray and the truck's chassis rails without the tray being mechanically supported in addition to the trays normal lifting mechanism.

Use:

- vehicle-mounted props or purpose-designed temporary propping stands that are secured to prevent movement or dislodgement
- props that are able to support the weight of the tray and any attached loads.

Never:

- use soft wood timber for propping
- rely on the vehicle's lifting mechanism to support the tray in the raised position if the vehicle is unattended. Always prop the tray to give additional mechanical support.

2. A system of work must be in place that ensures a person cannot be trapped under a descending tray if, for example, a lapse of concentration occurs.

Ensure:

- props are able to be engaged/fitted without having to get between the tray and chassis
- tip-limiter cables are shrouded to protect against accidental activation.

3. When ordering new vehicles ensure:

- safeguards are fitted to the tray-raising system
- the tray includes built-in props to secure the tray
- controls for the tray-raising mechanism are clearly marked and shrouded or protected from accidental operation
- controls are located in a position that protects the operator from entrapment during use
- hydraulic cylinders are fitted with restrictors to slow the rate of descent and to provide audible warning in the event of unintentional pressure release.

### Further information

- Australian Standard AS 1418.8 – Cranes, hoists and winches
- Transport and storage industry – Who is the weakest link in the health and safety chain of responsibility? (WorkSafe)

**BUT**  
EQUIPMENT

**SUMITOMO**  
Excavators  
8 to 80 tonne

**YANMAR**  
Mini Excavators  
0.8 to 8 tonne

**KAWASAKI**  
Wheel Loaders  
1.2 cm<sup>3</sup> - 6.0 cm<sup>3</sup>

**MITSUBISHI**  
Road Graders

**SUMITOMO -HITACHI**  
Crawler Cranes

**BOMAG**  
Rollers, Landfill Compactors,  
Tampers & Plates

**MUSTANG**  
Skid Steer Loaders

**KATO**  
Excavators & Cranes

**BT EQUIPMENT PTY LTD**  
80-86 Frankston-Dandenong Rd Dandenong 3175  
Ph 03 9554 0300 www.btequipment.com.au

**CJD**  
EQUIPMENT

**VOLVO**

**More care. Built in.**

- New Volvo Equipment
- Used Equipment
- Parts
- Service

Please contact our Regional Sales Managers:

**Alan Tapping** 0419 955 335  
**Arthur Coleman** 0418 572 698  
**David Gallina** 0419 927 047  
**Chris Wilson** 0419 919 851

**CJD EQUIPMENT PTY LTD**

210 Northbourne Road, Campbellfield, VIC. 3061 PH: 03 9305 2566 FAX: 03 9305 3566	68-70 Greens Road, Dandenong, VIC. 3175 PH: 03 9767 8000 FAX: 03 9791 7111	6 Reiff Street, Lavington, NSW. 2641 PH: 02 6025 2666 FAX: 02 6040 2224
--	---	--

[www.cjdvolve.com.au](http://www.cjdvolve.com.au)

# Preventing Slips, Trips and Falls from Truck Cabins

WorkSafe's latest health and safety publications focuses on safety around trucks

## What is the problem?

Truck drivers slipping or falling when getting in/out of the truck cabin. The ability to safely get in/out of the cabin relies on drivers being able to maintain three points of contact with hand rails and step surfaces without needing to adopt awkward postures. This can be affected by hand rail/step/door and cabin design, work demands leading to drivers getting in/out of the truck quickly, environmental conditions and footwear.

## What are the risks?

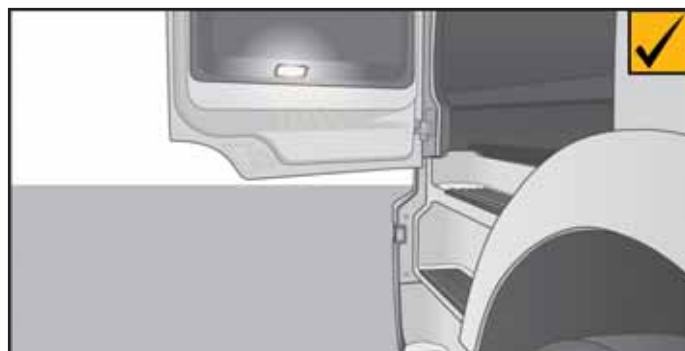
Slips, trips and falls while getting in/out of the truck cabin can result in severe musculoskeletal injuries such as fractures, sprains and strains. These risks arise regardless of the height of the cabin from the ground.

## What is a solution to the problem?

Risks for existing trucks can be reduced by:

- developing a procedure and training drivers to safely get into and out of the cabin. This should emphasise maintaining three points of contact and facing the cabin at all times. Drivers and supervisors should be familiar with the procedure.  
*Note: Ensure variations in cabin design across the fleet are considered as part of this process.*
- having a system to enable drivers to replace footwear if tread is worn and ensuring footwear is kept clean of mud and other contaminants
- ensuring drivers park in well-lit areas with an even landing surface.

### Truck steps with dual handrails.



### Steps with lighting.

When purchasing new or used vehicles, consider the design of the truck and cabin access. Risks can be reduced by:

- ensuring drivers can maintain a balanced posture when getting in/out of the cabin
- placing hand rails on both sides of the cabin door opening
- ensuring steps and hand rails are within easy reach
- looking for steps that are non-slip and deep enough to enable a constant grip between feet and the step surface
- checking the alignment of the cabin door, seat edge and steering column allows easy movement in/out of the seat
- ensuring steps have the same dimensions (tread and distance) to prevent misjudging of depth/height
- giving drivers (and HSR's where available) the opportunity to test getting into and out of the cabin, wearing their regular work boots, before making purchasing decisions
- integrating lighting into steps to enable clear visibility of the access path. Alternatively, using a contrasting colour along the entire path (steps and hand rails) can also aid visibility and depth perception
- having a system to enable drivers to replace footwear if tread is worn and ensuring footwear is kept clean of mud and other contaminants. *Note: Some truck designs incorporate integrated steps that lever outwards to enable drivers to face forward when getting into or out of the cabin.*

A copy of the Health and Safety Alert can be downloaded from the WorkSafe website [www.worksafe.vic.gov.au](http://www.worksafe.vic.gov.au)



## Crushing & Mining Equipment

- Suppliers of Quality Crusher Manganese and Spare Parts to suit all Crushers
- New and Used Machinery
- Auspactor Verticle Shaft Impactor - Designed and built by CME

---

**Australia Wide Sales Freecall Ph: 1800 786 607**  
 Brisbane 07 3382 0611 ■ Sydney 02 9838 1411 ■ Perth 08 9437 1477  
[www.crushingandmining.com.au](http://www.crushingandmining.com.au) [brisbane@crushingandmining.com.au](mailto:brisbane@crushingandmining.com.au)



# 10 Hot Tips to Manage Cash Flow & Credit

MEAD PARTNERS provide ten simple points on managing cash flow and credit in both the good times and the bad – as presented at the Members General Meeting at Bendigo.

**W**HILE we are continually being told that the GFC is over and the economy is growing at a steady pace most business are yet to have the pressure taken off them due to increased cost of funds from rising interest rates and pressure continually placed on them by tight cash flows. Here are some handy hints on how to manage cash flow and credit.

## 1. Profit vs. Cash flow

It is commonly assumed that profit is the measure of a business's success; unfortunately this is not 100% true. To manage your cash flow, understanding the various reports that are available is paramount. While the Profit & Loss report will show total sales and expenses, it will not show whether you are cash positive or negative. To see the cash inflows and outflows, look at the Statement of Cash Flows, or, if one isn't being prepared, a summary of the bank statements or even the bank reconciliation should suffice. However, those reports will only show what has happened. To be successful you need to know what is going to happen and plan for it with cash flow forecasts.

## 2. Cash Flow forecasts - "Plan ahead"

A cash-flow forecast is a key tool for your business. It will allow you to better understand where your money is being spent, when you have cash surplus or deficit. Unfortunately some businesses don't prepare a forecast because it can be hard to gauge the effect different factors will have on cash-flow events. The important thing is to just start doing it – with experience you will be able to prepare more accurate forecasts.



Site Photo – K & RJ Matthews Quarries

Three tips for putting together a solid cash-flow forecast:

- Keep it simple: Focus on items that affect your cash-flow most heavily and add extras if required. The more complex it is, the more likely errors are to occur.
- Standardize: Ensure procedures for collecting and reporting cash-flows are consistent across the business. This will help you to model the inflows and outflows and understand where your cash is going each month.
- Measure your accuracy: Determine any variances in the forecast you are prepared to accept. Where the variances are exceeded, investigate the reasons and consider if changes are needed for next month's forecast.

## 3. Capital Investment and Growth

Cash-flow management is imperative during economic downturns, but periods of rapid growth, can present equally difficult challenges. Growth must be managed with things like capital investment and man power due to the inevitable delay of increased cash inflows. It is this delay that can cause growth pains for a business.

Cash-flow forecasting can reduce these growth pains by highlighting when increased cash outflows will occur and talking to your bank will hopefully provide you the extra cash that is required. Estimating the business' future Working Capital will give you an idea of how much additional cash will be used to fund the growth and where the additional funds are tied up.

## Mobile Impactor Crusher & Screening Plant Hire

*Striker Impactor Crusher & 683 Finlay Screening Plant*

**Ashley Day**  
**(03) 5768 2366**  
**0438 682 366**



## LIMA SOUTH QUARRY

#### 4. Debtor & Creditor Management

Debtor and creditor management is a management problem for many businesses: people just don't call customers to chase money and on the other side of the fence creditors are becoming more demanding.

Maintaining a term of trade is essential for cash flow management as it ensures your ability to pay creditors when they fall due.

##### Debtors:

- Constantly monitor the debtors ledger for slow payers.
- Chase up overdue accounts and follow up on customers' promised actions.
- When chasing slow payers, make sure you get a firm commitment date for payment, even if the payment is in two or three installments.
- Don't feel bad about chasing customers for payments, you have provided a service and now they must provide payment.

##### Creditors:

- Where possible, try and negotiate creditor terms that are similar to your debtor terms to match cash inflows and outflows.
- Don't just ignore creditor's calls, they will be less likely to grant additional time to pay and more likely to send a letter from their solicitor.
- Don't fall in to the trap of COD for creditors but then have terms for debtors - it just can't work.

#### 5. Preventing Bad Debts

Bad debts are all too common nowadays and therefore debtors must be reviewed to ensure that your money is not at risk. By having up to date credit checks on all customers, higher risk customers can have their credit terms reduced or suspended before it is too late.

In addition to this, look out for some of the warning signs of an approaching bad debt:

- Your calls are not being returned
- Promises to pay not being honored or payments being returned
- Excuses and complaints regarding supplies that appear to have no basis

#### 6. Reliance on particular customers

While big customers have their obvious benefits, some businesses will spend too much time servicing that customer so that they don't have time (or don't think it necessary) to develop new business. Unfortunately when one or two major customers make up the majority of your income, losing one of them can be devastating to the cash flow and the business as a whole. To prevent this from occurring, a good spread of customers - small, medium and large - should be the aim. This will mean that if a larger customer does leave, the smaller and medium customers will be able to support the business while you get new customers to fill the gap.

#### 7. Manage Statutory Payments

When Cash is tight statutory payments (BAS, Superannuation, Income Tax etc) are the ones that usually get left to last. While the ATO does not look favourably upon this, they do understand that sometimes cash is short. You can negotiate payment terms with the ATO so long as all future BASs/Tax Returns are lodged and paid on time.

#### 8. Stock Management

Stock management is also a very useful tool to help cash flow because stock is effectively cash sitting on the ground. If it takes 45 days to sell and another 45 days to receive payment then you are 90 days behind whilst you have had to pay your wages and fuel to produce that product. Review your stock turnover in days to gauge if you are over producing.

#### 9. Excess Plant & Equipment

A quick way of freeing up some cash flow is reviewing your asset registers and selling excess plant and equipment. Not only will you receive the cash from the sale, if the equipment is under finance you will also save the monthly repayments going forward. Some things to consider when selling plant and equipment are:

- If the asset is under finance, make sure you will get enough money to pay out the financier otherwise you will have to make up the difference.
- While in the short term the sale will generate cash, don't forget that tax will have to be paid on any profit.
- While an asset may be underutilized now, if you're expecting to need it again soon perhaps it can be rented out in the short term instead

#### 10. Good Management

Good management is the key to survive in the bad times and will make your business even stronger in the good times. Sometimes this means making decisions that you would rather not make, and sometimes it means listening to advice or news that you would rather not hear. In the long run these things are necessary in order to keep the business going and if these decisions are made and advice listened to, the good times will greatly outweigh the bad.

Surround yourself with the best people that you can find, whether it be your accountant, bookkeeper or business manager and make sure that they are providing you with the information that you require to ensure that you can make sound business decisions in a timely manner. ■



Mead Partners presentation can be viewed at [www.cmpavic.asn.au](http://www.cmpavic.asn.au)



Established 1853

## C.J. Ham & Murray Pty Ltd

CONSULTING VALUERS - SPECIALISING IN QUARRIES AND LANDFILL

- EXTRACTIVE INDUSTRIES
- COMPULSORY ACQUISITION AND COMPENSATION
- LANDFILL WASTE MANAGEMENT
- INDUSTRIAL AND RESIDENTIAL LAND SALES

Contact: Michael Hocking Phone: (03) 9670 7108 Mobile: 0400 248 099  
Level 2, 140 Queen Street, Melbourne, 3000 Email: [admin@handm.com.au](mailto:admin@handm.com.au)



**FINLAY**  
SCREENING & CRUSHING

- SALES - HIRE - SERVICE -

 **TEREX | FINLAY**

**EXCLUSIVE AUTHORISED DEALER SINCE 1979**

**VIC SA & TAS AREA SALES MANAGER: HAN ALAM 0419 673 538**  
**18 RANDOR ST, CAMPBELLFIELD, VIC 3061**

**Toll Free: 1800 777 300      [www.finlay.com.au](http://www.finlay.com.au)**

## OPERATOR TRAINING COURSES



### MACHINE SIMULATORS Safe, Efficient & Economic

Simulator training can stand alone or combined with on-the-job machine operation; either way the results show a reduction in live training time and costs.

Training is available on a range of machines and can be tailored for specific applications and operator skill level. Suitable for new operators or up skilling experienced operators. Training can be delivered on site.

- M-Series Motor Grader
- Hydraulic Excavator
- Large Wheel Loader
- Dump Truck



**REDUCE FUEL  
USE BY OVER  
20%**

### Eco Operator Training Course

Recent Australian case studies have shown that fuel reductions of over 20% are achievable

Skilled machine operators can have a major influence on optimising fuel efficiency. Our studies show that by fine-tuning operating techniques and eliminating poor habits, major fuel savings are achievable. Participants in this one-day instructor lead machine operation course will learn how and try out the techniques. Course is suitable for experienced operators of Excavators, Loaders, Haul Trucks and Track Type Tractors.

Saving 100,000 litres in fuel reduces carbon emissions by 270,000 kg.



**CATERPILLAR®**  
Caterpillar Institute VIC-TAS

1 Caterpillar Drive  
Tullamarine VIC 3043  
Ph: 03 9953 9544  
57 Nantilla Road  
Clayton VIC 3168  
Ph: 03 8561 8700  
Email: [civlinfo@cat.com](mailto:civlinfo@cat.com)  
[www.caterpillarinstitute.com.au](http://www.caterpillarinstitute.com.au)



# DPI Update

JOHN MITAS, General Manager Minerals and Extractive Operations reports on the role of the new Technical Review Board.

**F**OLLOWING the Yallourn mine wall collapse in 2007, an investigation by a specially appointed Mining Warden identified a number of areas where improvements could be made and highlighted a significant gap in Victoria's geotechnical expertise.

The Government responded by implementing a range of measures in line with the Mining Warden's recommendations to minimise the risk of a similar event happening again.

One of the initiatives was to appoint a team of experts, with international mining experience, to a Technical Review Board, which will provide advice to the Government on mine and quarry stability.

A proposed or existing quarry can be 'declared' by the Minister if there are geotechnical or hydrogeological factors within the quarry that pose a significant risk to public safety, the environment or infrastructure.

Work plans for declared quarries are required to include additional information on geotechnical and hydrogeological conditions, risks, control measures and monitoring procedures. These aspects will be considered by the Technical Review Board.

## BOARD MEMBERS

The TRB members were appointed under the Minerals Resources (Sustainable Development) Act 1990 on 31st August 2009 by the Hon. Peter Batchelor MP, Minister for Energy and Resources. The TRB membership comprises:

**Tim Sullivan - TRB Chairman** Mr Sullivan was appointed Mining Warden who led the six-month independent inquiry into the cause of the Yallourn collapse. He has subsequently assisted the DPI with geotechnical audits of major mines. He is Adjunct Professor at UNSW and a geotechnical consultant on slope stability for some of the world's largest mining operations and has worked on over 400 mining projects at all stages from planning to operation.

**Adrian Brown - Board Member** Mr Brown is a civil engineer with international experience and specialist expertise in groundwater and earth science problems in mining, hazardous waste, water supply, manufacturing and civil construction industries. Mr Brown has extensive expertise in brown coal mining and assessments of mining impacts. Mr Brown also began his career in the Latrobe Valley and has a sound knowledge of the coal mining industry there.



Tim Sullivan (chair), Minister Batchelor, Ted Waghorne, Adrian Brown and Jim Galvin

**Edward (Ted) Waghorne - Board Member** Mr Waghorne is a principal mining engineer with 35 years experience in the mining industry and provides strategic advice on mine planning, mine operation, operator training, mine infrastructure and mine management within Australia and Internationally. He has extensive experience in the Latrobe Valley.

**Emeritus Professor Jim Galvin - Board Member** Professor Galvin was head of the School of Mining Engineering at UNSW until 2006. Prior to joining UNSW in 1992 he held a number of positions within the mining sector, including mine manager. Prof. Galvin has extensive international experience in mining and geotechnical engineering, risk management, expert opinion and independent review and advisory roles. He has specialist knowledge and experience in geotechnical engineering, risk management, incident investigation and emergency response.

The intention is that the TRB will comprise five members, the fifth member being the yet to be appointed Professor of Geotechnical Engineering at Monash University Latrobe Valley campus. ■

## Insurance for all your needs

Experts in insurance, risk management and financial services. OAMPS can provide you with all forms of insurance protection and offer a direct contact to the 28 OAMPS branches Australia wide.

For further information please contact Robert Villano on:

T: (03) 9412 1361  
F: (03) 9412 1660  
E: robert.villano@oamps.com.au



OAMPS INSURANCE BROKERS LTD  
ABN 34 005 543 920 AFSL 298312 Ref: 06040608V1



### QUALITY PERFORMANCE LUBES



Manufactures a complete range of lubricants to help keep your operational fleet on the move. QPL offer service's to help with the correct application of lubricants for your vital equipment. QPL have the "GOOD OIL" to give your operational fleet the attention it deserves; keep your costs in check by using QPL.

PHONE: 03 5367 8794

Email: [qplubes@bigpond.com](mailto:qplubes@bigpond.com) Website: [www.qplubes.com](http://www.qplubes.com)

# VLPA Update

PETER MCCLUSKEY from the Victorian Limestone Producers Association reports on combating soil acidity through the use of lime.

THE seminar series addressing soil acidification which commenced in February 2010 has continued in western Victoria culminating in the very successful Westvic Dairy field day and seminar at Terang in late April.

The VLPA has had the support of Southern Farming Systems for several funding applications to the Commonwealth "Caring For Our Country" agricultural extension program in the last couple of years and although not successful in obtaining our own funding, the VLPA can claim to have been part of the movement to recognize the deleterious effects on agricultural productivity caused by soil acidification.

Glenelg Hopkins Catchment Authority (GHCMA) recently obtained funding to run a series of workshops in western Victoria on acidification. GHCMA has contracted Southern Farming Systems to organise the seminars which in turn has invited VLPA to provide input via specialist speakers. The VLPA obtained the services of Dr Kevin Reed ex-DPI Hamilton and now of Reed Pasture Specialists to speak on pasture matters and the use of lime together with Scott Cameron of Westlake Fertilisers to speak on lime application in cropping. In addition Tim Johnston of DPI Geelong spoke on the general need to combat soil acidity. A field day was held at Lake Bolac in late February followed by seminars in March at Cavendish, Mininera, Beaufort and Dunkeld.

A comprehensive field day and seminar on soil acidification and nutrient best practices



A section of the crowd at the well attended soil acidification field day at Terang in April

was run by Westvic Dairy in Terang in late April also via the GHCMA funding. Westvic Dairy is a research and development body funded in part by dairy industry levies. A number of lime products from the region were displayed to give participants first hand appreciation of how the product can be processed and how it works. Perennial Pasture Systems, a farmer member body operating in the Ararat region with similar objectives to Westvic Dairy but applicable to the local climate and agricultural orientation of the region, ran a conference in March covering the use of lime to combat toxicity in pasture varieties and the role of soil carbon in pasture management. Andrew Speirs of MS&A agricultural consultants covered the role of lime in pasture management and VLPA had an information display including a

list of all member producers at the associated trade display. The North East Catchment Management Authority has invited VLPA to have a display at its forthcoming soil carbon conference in Wangaratta in late May. These events have been well attended to date and it is pleasing to see Commonwealth Government financial support directed towards this important problem for which lime provides a quick acting and natural solution. ■

Further information is available from Peter McCluskey on 0408 496 588



**STM AUSTRALIA** **SELECT TRANSMISSION & MOTORS AUSTRALIA PTY LTD**  
 GEAR REDUCER AND DRIVE SYSTEM SPECIALISTS  
**DRIVES TO KEEP YOUR PRODUCTION ROLLING**  
 Visit our Website for More Products and Information

**Gearboxes**      **Conveyor Rollers**      **Motors & Controllers**      **Belts & Pulleys**      **Shaft Couplings**      **Chains & Sprockets**

**SELECT PRODUCTS**      **SELECT SERVICE**      **SELECT SOLUTIONS**

**PHONE: 03 9761 7355**      **www.stmaustralia.com**      **FAX: 03 9761 7222**

# New Light Vehicle Safety Checklist

Is your quarry vehicle in a roadworthy condition and being properly maintained?  
The CMPA SECRETARIAT provides an overview of their recently developed Light Vehicle Checklist.

THE CMPA has recently developed a new glove box size checklist – Weekly Light Vehicle Safety Checklist which is now available to purchase at a cost of \$25 Members and \$45 Non-members.

The checklist was developed to ensure that all light vehicles used by operators, especially on quarry sites, are being properly maintained inside and out and are being regularly serviced. It is also a good check for quarry managers to ensure that all safety equipment attached to the vehicle is in working order.

The obligation lies with the owners and directors of companies to ensure that employees have a safe working environment as well as being provided with well maintained plant and equipment to work with which is not a risk to their health.

The CMPA also has similar operator checklists for trucks which may have helped to stop the following incident and saved a person's life.

On 28 April 2010, Orbit Drilling Pty Ltd became the first company in Victoria to be convicted for recklessly endangering a worker. When in December 2006, 21 year old Bradley Alford was crushed to death when the Mack truck he was driving went out of control on a steep slope, overturned and crushed him.

WorkSafe's investigation established the truck's primary brake and the emergency hand brake wasn't working and the secondary brake had been disconnected. In addition the truck hadn't been serviced for over six months.

The prosecution was able to prove that through the actions of the company's personnel, the company was recklessly indifferent to placing

Bradley Alford at risk of serious injury because he was instructed to use an unsafe truck in dangerous circumstances.

Orbit Drilling Pty Ltd was convicted and fined \$750,000 under section 32 of the OH&S Act 2004 and the director Martin John Smith was convicted and fined \$120,000 under sections 144 and 21(1) & (2)(a) of the OH&S Act 2004. (Note Section 32 applies to both people and companies. The supervisor of Orbit Drilling Pty Ltd has also been charged under section 32. This case is expected to be heard later in 2010).

To order a Light Vehicle Safety Checklist contact the Secretariat on: 1300 267 222 or [enquiries@cmpavic.asn.au](mailto:enquiries@cmpavic.asn.au)



When you need the best,  
there is only one safe choice

As the world's largest integrated supplier of specialised quarrying equipment, we offer the widest and most comprehensive range of products for the quarry industry – backed by the best service and support network in the business.

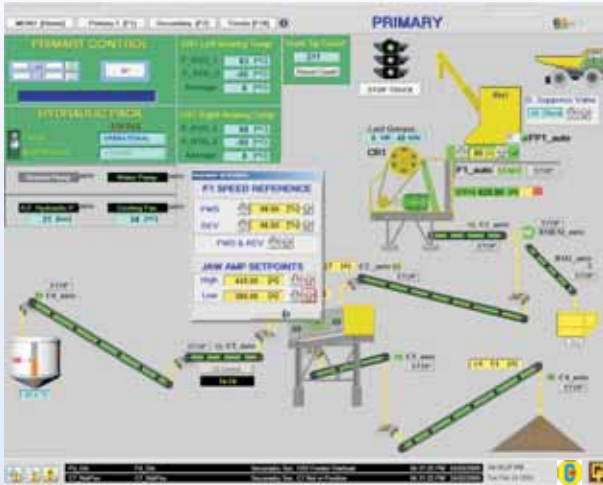
Our range of crushing, feeding and screening equipment – both fixed and mobile – along with the world's most advanced drill rigs and materials handling capabilities, allow us to offer an integrated solution to your quarrying operation.

With Sandvik solutions, you can be sure.



# **LEADING ELECTRICAL SYSTEMS**

Quality Electrical Engineering & Automation Design



- Incoming High Voltage Design
- Plant Distribution
- Area lockout design and coordination
- Customized Graphical Plant operation & monitoring
- Production and fault reporting
- Material usage and inventory
- Liquid control - auto dust suppression
- Blend plant auto control systems
- Weighbridge systems (with contract management & invoicing)
- Local common product selection
- Maximize plant efficiency



- Custom made switchboards and operating systems specifically designed to meet the requirements of your plant and the quarry environment.
- Operational feedback that allows you to target underperforming parts of your plant.
- Over 30 years serving this industry ensuring plant reliability and the right electrical components for your plant
- Back-up and support 24 hours, 7 days

## **GORDYN & PALMER PTY LTD**

46 Melverton Drive Hallam Victoria AUSTRALIA 3803  
 Ph: +613 9703 2477 Fax: +613 9796 3477  
 Web: [www.gordynpalmer.com.au](http://www.gordynpalmer.com.au)  
 Email: [eng@gordynpalmer.com.au](mailto:eng@gordynpalmer.com.au)  
 Contact: Terry Hickey

# WE'VE GOT YOU COVERED

We've got you covered more than ever with our new line of loading productivity solutions. You can now accurately weigh materials on a wider range of machinery, and gather the important business information you need to get the most out of your operation.

- Uninterrupted productivity
- Improved profits
- Unparalleled support



Local distribution by Galesafe Weighing  
 Phone: 03 9465 0900 Fax: 03 9465 0800  
 Email: [mail@galesafe.com.au](mailto:mail@galesafe.com.au) [www.galesafe.com.au](http://www.galesafe.com.au)

**LOADRITE**

PIONEERS OF WEIGHING SYSTEMS SINCE 1979 • Wheel Loaders • Excavators • Pit Loaders • Conveyor Belts • Productivity Software

## Terex® Compact Cone Crusher Makes Big Impact

Withcott Quarry's move to replace a tired impact crusher that wore through expensive wear parts with a new Terex® TC1000 cone crusher has seen production rates rise, reliability improve and wear part costs decline. By TOM MCKENNY at Industri Communications.

**S**UPPLYING a range of road and concrete products from the basalt reserve at Withcott, near Toowoomba to a region covering Gatton, Esk, Ipswich, and as far afield as Boonah, Withcott always harboured uncertainty about its ability to supply as a result of the unreliable impactor.

A veteran of the Queensland quarrying scene, Quarry Manager, Peter Jackson said the new TC1000 Cone, supplied by Terex Jaques, was a "100 per cent improvement on the impact crusher."

"The South African impactor hammers were extremely expensive and every second day we were opening it up to maintain it; now we've got this little Terex and we're crushing 1100 tonne per day, every day.

"We've had it seven months and haven't looked like having to open it up. It's the greatest thing since sliced bread," Mr. Jackson said.

Supplying typical quarry products and servicing a strong market for by-product fines for local concrete plants, the TC1000 is working as a secondary crusher in closed circuit with a vibrating screen with a small Jaques single toggle jaw doing the primary workload and a Barmac vertical shaft impactor taking the first pass screen fines for shaping.

"In quarries you make a lot more 20mm minus that you do 10mm minus so when we've got enough of the 20mm we close the TC1000 up to 13mm and put the 20 mm back through to crack 10mm, 7mm and dust." Mr. Jackson explained.

The Terex® TC Cone responds best to continual choke feed according to Mr. Jackson and has proved something of an eye opener with the concave and mantle service life far exceeding expectations.

"It has been the right crusher for us because we are only a small operation, if you were doing more you'd probably put in a Terex® Jaques gyro or something, but for our plant doing 1100 tonne per day we'll be better off with the TC Cone.

"It's only small but its like a dog that doesn't want to stop eating," Mr. Jackson said. "We've had lots of people come and look at it and they've been most impressed."

With strong demand for the plant's manufactured sand, the TC1000 helps maintain the cascade in the Barmac but is also providing plenty of shape to the material in its own right.

With the source basalt featuring fractured face columns and producing material tending to elongation as a result of its water-cooled formation, shape is important in the plant design.

"The material is hard on mantles and we work the quarry face according to our needs, whether it is road base or concrete aggregate but the Terex® Cone is brilliant, we haven't even looked like using a cone liner in seven months," Mr. Jackson said.

A compact mounting frame featuring clever design considerations complements the compact crusher. The TC1000 live frame assembly, which can be supplied with the machine, consists of the crusher sub-frame ready to position and is delivered with four anti-vibration mounts for clients to fit to supporting steel work. This reduces the machine's vibration on the supporting structure but without restricting access. Double acting hydraulic cylinders mounted externally between the upper and lower crusher mainframe allow fast closed side setting adjustment and protection against overload. The hydraulic control panel is sealed against dust and weather.



Terex TC1000 Cone Crusher

The Withcott quarry plant is being developed in stages, a process that allowed the TC1000 to slot in seamlessly to a ready prepared and designed structure. The next step will see a new primary jaw and perhaps a bigger Terex secondary with the TC1000 able to move into play next to the VSI.

"They've put quite a lot of thought into the design of this unit," Mr. Jackson said. "Hydraulic lines are hidden so they don't get damaged by oversize and we bought the plant with a live frame assembly rather than fabricating our own and it is a great little plant."

Above all else, fitting the TC1000 into the plant has allowed Withcott to produce the material it wants with reliability – whether that is concrete aggregate, roadbase or fines.

"We are selling a lot of fines as manufactured sand which is popular and people are swinging over to 66 per cent manufactured sand, 30 per cent river sand and fly ash and making a great concrete. We've got a market for it – others haven't because they need the fines to go into their road base," said Mr. Jackson.

While it has added to productivity, reliability is the small cone's virtue according to Mr. Jackson. "We can now go into a tender and know we can confidently finish the job – with Department of Main Road certified material. When they want four or five thousand tonne we now know we can make that product and not be worried about whether a machine is going to break down."

The Terex® TC1000 and the larger TC1300 cone crushers have recently been introduced to Terex Jaques' static crusher range. The machines exhibit high productivity, excellent reliability and are very flexible with regard to the input feed. ■



For further information or images, please contact Tom McKenny at Industri Communications. Ph: 0418 132 911. [tom@industri.com.au](mailto:tom@industri.com.au)

# Accurate Measurement for Mobile Crushers

Tecweigh have developed belt weighing scales to ideally suit the harsh conditions imposed by mobile crushers, reports Tecweigh's National Sales Manager, OLIVER LYNCH.

**M**OBILE crushers and stackers currently being manufactured for the extractive industries invariably feature instruments to indicate operating hours and fuel consumption, but until recently, a simple, reliable and cost effective measure of tonnes crushed has not been standard equipment.

It has proven previously to have been a very complicated and expensive exercise to fit regular belt scales into mobile crushers. Users have very often been disappointed with both weighing accuracy and reliability in the past.

For this reason, Tecweigh have developed belt weighing scales to ideally suit the harsh conditions imposed by mobile crushers, according to Tecweigh's National Sales Manager, Oliver Lynch, it has been a very difficult challenge to fit belt weighing equipment to mobile crushers and operate them with any reasonable degree of repeatable accuracy or long term reliability.

"Instead of the unacceptable hacking and cutting of their mobile crusher to modify it to accept the belt scale, we have designed a dedicated group of belt scales with specific models to suit each individual mobile crusher. The scale then fits comfortably and easily into the crusher as a hand fits a glove," Mr. Lynch said.

Due to the extensive range of mobile crusher designs being offered in today's market place, the correct belt scale has to be fitted for this task. "We've got specialist scales to suit the most popular crushers, and over time we have added Extec, Striker, Komatsu and Hitachi mobile crushers to our range." Mr. Lynch said. Tecweigh's new designs are compact yet structurally robust. "With mobile crushers we often find there is very little clearance between the output section and the return conveyor compared to a fixed-plant conveyor.



WP20 Processor & Signal Conditioner Card

## FOR SALE BY TENDER

# "KANGAROO HILL QUARRY"

Approx 100hectares

BARELLAN NSW

Approx 250acres Freehold



- Located 77km to Griffith, 70km to Leeton, 26km to Barellan, 63km to West Wyalong.
- Frontage to Gunn Road.
- One ground tank & one sediment tank.
- Substantial Environment Protection License.
- Test results to RTA standards & criteria.
- Access to six Shires.
- Ballast loading at Barellan rail yard.
- Strong future income growth potential.

**Tender Documents to be forwarded to the vendor's Solicitor, Commins Hendricks, 114 Cowabbie Street, Coolamon by 4.00pm Wednesday 21st July 2010.**

*For further details & inspections contact Agents in conjunction:*



Rawlinson & Brown Pty Ltd  
50-56 Banna Avenue, Griffith  
Phone: (02) 6964 1933  
Alistair Watt: 0428 696 872  
www.rawbrown.com.au



Paul Sanders Real Estate  
113 Church Street  
Ryde NSW 2112  
Phone: (02) 9809 3900  
Steve Uphill: 0428 552 217

There is only a limited and confined space in which to install a solidly constructed belt-scale and options for mounting the scale vary with each mobile crusher design” Mr. Lynch said. The Tecweigh Mobile Scale Range is specifically designed and built for the mobile crusher where it will live and work for the next ten plus years.

Tecweigh has a growing range of proven designs and welcomes the opportunity to work with manufacturers, contract hirers and crusher owners to add new models to their range.

With regard to mobiles, belt scales have to be located within just a few metres of the crusher and thus can experience extreme vibrations, which is the enemy of all weighing systems. The belt-scale is typically mounted on a very short conveyor at a steep angle. Only the very best mechanical design, construction and clever processing will overcome these factors to provide accurate and reliable weighing.

An accurate belt-scale needs to be a sensitive instrument located in a very harsh and unyielding environment. Belt-scales operate

by combining physical pressure (product on the belt) with belt movement. The scale has to be able to withstand but ignore dust, falling rocks, belt movement and the vibration which is always present in crushing situations. To eliminate inaccurate measurement and enhance long – term reliability, Tecweigh mobile belt scales feature the same tough fully welded construction appreciated in their fixed plant scales. The scales are manufactured using the latest technology which provides the finest possible tolerances resulting in improved accuracy.

The Tecweigh Mobile Belt Scale is also supplied complete with calibration weights which are stored neatly on the scale frame whilst in production mode, and lowered by a simple lever action when calibration of the scale is required, which ensures that the scale can stay as accurate as the day it was installed, throughout its working life. Only one button needs to be pressed to re-calibrate the scale.

The Tecweigh WP20 Electronic Processor, which is widely regarded as the most simple to operate and easy to use and understand, is fitted with shockproof mountings as

standard for mobile applications. Additional cable protection and ruggedized electronics combine to ensure that reliable rate measurement is guaranteed over the long term, even in the most demanding physical environment.

Tecweigh, their Agents and Distributors throughout Australia and New Zealand, specialise in installing conveyor belt scales in both fixed and mobile plants ■



For more information please contact:  
 Oliver Lynch – National Sales Manager  
 Phone: (03) 9775 0266  
 Mobile: 0430 166 444  
 Email: [oliverlynch@tecweigh.com.au](mailto:oliverlynch@tecweigh.com.au)

## Raise your level of efficiency and profitability.

The ThorStack2 maintains your competitive edge, supplying clean in-spec material every time.

- Capacities of 2000 t/h
- Stockpiles to 240,000t
- Eliminates contamination
- Telescopic to 58metres
- PLC controlled to generate stockpile
- Piles are even-blended, non segregation and non-compacted



Telescopic, Portable, Radial Stacker



Serving the Australian Quarry & Mining industries for over 25 years.

Select Engineering Services Pty Ltd. 7 Gatwick Road, Bayswater North, Victoria 3153 Australia  
 Phone 03 9720 6333 • Email [sales@selectengineering.com.au](mailto:sales@selectengineering.com.au) • [www.selectengineering.com.au](http://www.selectengineering.com.au)

Superior in many ways...



## Komatsu's Dash 6 wheel loaders

*Komatsu's productive wheel loaders provide:*

- ✓ Reduced fuel consumption
- ✓ Outstanding rimpull
- ✓ Class-leading cabin comfort
- ✓ Long and reliable service life
- ✓ Komtrax satellite equipment monitoring

**1300 KOMATSU**  
(1300 566 287)

**KOMATSU**  
*Driven by your success*

## Extractive Industry

**Nevettford**

LEGAL CONSULTING FINANCIAL

**Lawyers for the CMPA**  
with expertise and experience in extractive industry issues, including:

- Leasing
- Planning
- Environmental
- Employment
- Occupational Health & Safety.

**Contact Andrew Lumb**  
alumb@nevettford.com.au

Level 42 South  
Tower Rialto  
525 Collins Street  
**Melbourne** 3000  
Tel: 9614 7111  
Fax: 9614 3192  
email: melbourne@  
nevettford.com.au

Building quality relationships with clients  
[www.nevettford.com.au](http://www.nevettford.com.au)

## SMITH EQUIPMENT

- > *Quality used equipment for resale*
- > *Short and long term heavy equipment rentals*
- > *Dismantling of equipment for quality used parts & components*
- > *Supply of new after market spares to suit Caterpillar equipment*
- > *Reconditioning parts & components for outright and exchange sale*

**Our business is keeping your business on the go.**

Phone: (03) 9793 1588  
Fax: (03) 9791 4382  
sales@smithequipment.com.au  
405 Hammond Road,  
Dandenong Victoria 3175

[www.smithequipment.com.au](http://www.smithequipment.com.au)



# TRAINING & EVENTS

## HEALTH & SAFETY REPS. WORKSHOP

Are you aware of your obligations with respect to HSR's on your site? Do your HSR's want to better understand their role in an industry context? Do you want to identify common issues and solutions in this industry? Do you want your HSR's to get to know other HSR's so that you can work together? Are you aware of the proposed harmonisation of OH&S laws? Do your HSR's have linkages with WorkSafe and the industry's HSR Support Officer? *(Note that this is not OHS training as defined in the OHS Act.)*

If so, you need to attend the CMPA Health & Safety Representatives Workshop!

Date: Thursday 17th June 2010, 12 – 4.00pm  
Venue: William Adams, 32-42 Spencer St, Sunshine  
Cost: \$40 Members, \$70 non Members.

## UPCOMING CMPA TRAINING COURSES & EVENTS

### Conduct Crushing & Screening Training

This two day course covers the crushing and screening operations on a work site.

Date: 03/06/2010 & 17/06/2010 at Box Hill Institute of TAFE

### Work Safely

This two day course gives an introduction to OHS on construction material processing sites.

Date: 04/06/2010 & 18/06/2010 at Box Hill Institute of TAFE

### 2010 Annual General Meeting & Dinner

Date: Saturday 21st August

Time: 5.00pm AGM, 6.30 Dinner

Venue: RACV Club, 501 Bourke Street Melbourne

Refer to the CMPA website [www.cmpavic.asn.au](http://www.cmpavic.asn.au) for an up-to-date list of upcoming training courses and events and their relevant booking details

## INSTITUTE OF QUARRYING AUSTRALIA TRAINING

### Quarry Products Technical Training

This two day advanced course allows participants to learn about:

- Key quarry processes;
- Concrete aggregates;
- Sealing aggregates;
- Asphalt aggregates;
- Large rock, armourstone, gabion/mattress & rail ballast;
- Road bases and stabilisation.

Dates: 26/05/2010 & 27/05/2010 at Caterpillar Institute Pty Ltd

For further information, please contact Andrew Kemeny, the IQA's Education Officer on 0438 216233 or at [education@quarry.com.au](mailto:education@quarry.com.au)

## CATERPILLAR INSTITUTE (VIC-TAS) TRAINING

### Technical Training – Tullamarine Campus

- Undercarriage Systems Service Training - 2nd June
- R Series Track Type Tractor Service Training - 10th June
- M300D Wheeled Excavator Service Training - 21st June
- AD45B/AD55B Underground Dump Truck Service Training - 28th June

### Operator Training – Clayton Campus

- Dump Truck Training - 10th June
- ECO Operator Training - 3rd June
- Excavator Training - 17th June
- Forklift Training - 11th June
- Forklift Licence - 18th June
- Wheel Loader Training - 8th June

For further course information please contact The Caterpillar Institute by phoning 03 9544 9544 or email [Bezzina\\_Tessa\\_N@cat.com](mailto:Bezzina_Tessa_N@cat.com)



**10%  
Discount for  
CMPA  
Members!**

**Isn't it time you  
thought about  
automatic lubrication?**



TOLL FREE: **1800 640 560**



**OLI AUSTRALIA**

# Good Vibrations Good Applications

*When you need it  
Where you need it*

Oli Vibrators has an incomparable range of off the shelf Vibrators and Flow Aids. Extensive knowledge of Vibration Technology on a global level makes Oli Vibrators the undisputed specialists in this diverse Australian market. In most cases, Oli Vibrators delivers within 24 - 48 hours, so whether the mining industry demands immediate action or the local pasta manufacturer needs attention, we will be there to help.

- No more waiting for your ship to come in after 3 months downtime.
- Oli Vibrators' General Manager, Mark Thompson, sees his ongoing mission as providing his clients with the highest quality products, unbeatable service and of course, the very best price.

- ✓ Large range of Pneumatic & Electric Vibrators available
- ✓ High reliability
- ✓ Most sizes ex stock
- ✓ Atex ExII3D Certification
- ✓ Suitable for Zone 21 & 22
- ✓ Excellent price to performance ratio
- ✓ Adjustable frequency
- ✓ 2 Pole, 4 Pole, 6 pole, 8 pole models available
- ✓ Adjustable centrifugal force
- ✓ Low Noise
- ✓ Exceptional quality
- ✓ 2 year warranty
- ✓ Explosion Proof Range



External Electric Motovibrators (MVE)



Pneumatic Internal Piston Vibrators (K)



External Electric Motovibrators (MVE)



Pneumatic Vibrators  
Turbine (OT) Roller (OR), Ball (S)



Vibrating Bin Aerators  
Fluidization Pads & Nozzles



MVE Range

**Full 2 year warranty, most sizes available ex stock Melbourne.**

## OLI VIBRATORS PTY LTD

Mark D Thompson – General Manager  
Mobile 0409 324 341  
Ph: 61 3 8761 6911  
Fax: 61 3 8761 6922  
E-mail: mark@olivibrators.com.au  
[www.olivibrators.com.au](http://www.olivibrators.com.au)

## SELECT TRANSMISSION AND MOTORS AUSTRALIA P.L.

Authorised Victorian Reseller  
Mobile 0400 877 710  
Ph: 61 3 9761 7355  
Fax : 61 3 9761 7222  
E-mail: phil@stmaustralia.com.au  
[www.stmaustralia.com](http://www.stmaustralia.com)



DESIGN  
MARKETING  
PUBLIC RELATIONS

# industri

COMMUNICATIONS

*P.R. & Communications: Community relations, product, business  
Marketing: Advertising strategy, design and copywriting  
Publishing: Magazines, newsletters, fliers, direct mail print management  
Design etc: Websites, photography, DVD, radio & TV production*

*Genuine industry experience & understanding*

Contact: Tom McKenny 1 Perrett Street, Brunswick West, Vic, 3055  
Ph: 0418 132 911 E: tom@industri.com.au

## Do what you like at Box Hill Institute.



Box Hill Institute's qualified trainers are experienced in the design, development and implementation of specialised training for industry based delivery in the extractive industry sector.

A focus of the program is the support provided for the individual participants to ensure success.

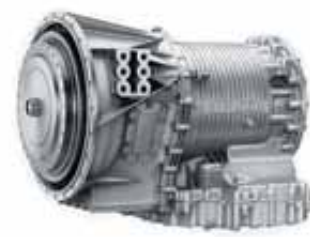
Programs are offered in both metropolitan and regional areas.

For further information please call Chris Terry on (03) 9286 9698 or Diane Wilson on (03) 9286 9711.

[www.boxhillinstitute.edu.au](http://www.boxhillinstitute.edu.au)

# Allison Transmission.

New and Changeover  
Units, Service, Parts,  
Integration &  
Technical Advice



## TRANSDIESEL

1 Cummins Drive  
Somerton 3062  
Phone 03 9305 0800  
Web: [www.transdiesel.com.au](http://www.transdiesel.com.au)

# ASSOCIATES DIRECTORY



## OH&S - ENVIRONMENT - QUALITY

An easy to use comprehensive system that is personalised to your business and delivered 100% completed with all necessary documentation inclusive of Business Overview Safety Plan, plant risk assessments, onsite crew induction, and ongoing support so you are worry free & always compliant with changes

### Quarry & Earthmoving Specialists

Phone Roger - 0437 771 580

[www.smartersafety.com.au](http://www.smartersafety.com.au)

## AUXILIARY EQUIPMENT

Galesafe Weighing, 03 9465 0900

Groeneveld Australia, 1800 640 560

PSI Solutions, 03 9706 6949

Tecweigh, 03 9775 0266

## CRUSHING & SCREENING EQUIPMENT

Astec Australia Pty Ltd, 07 3279 1422

Australian Mine & Quarry Supplies, 0439 399 744

Crushing & Mining Equipment, 07 3382 0611

Finlay Screening & Crushing Systems,  
07 3888 1777

JOEST Australia, 08 9358 3740

Lincom Group, 03 5335 5088

Mobile Screening & Crushing / MSC Rentals  
/ MSC Service & Spares, 03 9671 3555

Precision Screens Pty Ltd, 07 3271 4155

Sandvik Mining & Construction, 03 9703 2200

Striker Crushing & Screening, 07 3881 1227

Symphony Wire, 02 4933 3148

Terex Jaques, 03 8551 9300

## DRILLING & BLASTING

Atlas Copco Construction & Mining Australia,  
03 9316 1600

Edge Drilling, 0408 104 414

Impact Drilling, 03 9310 2011

Orica Australia (Quarry Services), 03 9217 6633

RM Drilling, 03 5762 6960

Statewide Drilling (Vic) Pty Ltd, 03 9879 2999

## EDUCATIONAL TRAINING

Bendigo Regional Institute of TAFE, 03 5434 1653

Box Hill Institute of TAFE, 03 9286 9711

Caterpillar Institute (Vic-Tas) Pty Ltd,  
03 9953 9544

NMIT, 03 9269 1042

Quantec Solutions, 03 9619 7833

## ENGINES & TRANSMISSIONS

Transdiesel Australia, 03 9305 0800

## ELECTRICAL & HYDRAULICS

CEC Electrical, 0417 379 062

Central Queensland Hydraulics, 07 4952 5621

Gordyn & Palmer, 03 9703 2477

## EQUIPMENT & PLANT HIRE

Ground Hog Sales & Rentals Pty Ltd, 1300 660 001

Landmark Contracting, 03 9589 6424

## INDUSTRY CONSULTANTS

Bell, Cochrane & Associates, 03 9710 1800

Bureau Veritas HSE, 03 9922 0700

Chadwick T & T, 03 8796 7900

CJ Ham & Murray, 03 9670 7108

CK Prowse & Associates, 03 9429 2433

Earth Tech Services, 03 9716 1352

Extractive Consulting, 03 5786 2174

Focus Creative Development Solutions,  
03 8794 9911

Main & Associates, 03 8361 8727

Norris & Schoeffel, 03 5157 9264

Quarry Crete, 03 5367 1953

Rural Works, 03 5798 1406

Stephens Valuation & Consultancy, 02 4704 8483

Super Signs Australia, 1800 707 446



## IMPACT DRILLING

Providing full drill and blast services to the Quarry, Construction and Mining sectors.

[www.drill.com.au](http://www.drill.com.au)

**Impact Drilling**

Ph: 03 9310 2011

## INDUSTRY SERVICES

Cornwall Stodart Lawyers, 03 9608 2000

Digicast Productions, 03 9696 4400

Heavy Equipment Finance Australia,  
1300 308 583

Industri Services, 0418 132 911

Landair Surveys, 03 9887 2888

Mead Partners - Chartered Accountants,  
03 9523 2277

National Australia Bank Limited, 03 9839 7208

NEM Communications, 03 9774 2606

Nevett Ford Lawyers, 03 9614 7111

OAMPS Insurance Brokers, 03 9412 1361

Smarter Safety Pty Ltd, 03 9746 1306

Systec, 03 9484 0086

## MATERIALS HANDLING

Earthmoving Industry Engineering Pty Ltd,  
03 9763 3588

Independent Cement & Lime Pty Ltd,  
03 9676 0000

Kinder & Co Pty Ltd, 03 9587 9244

Oli Vibrators Pty Ltd, 03 8761 6911

Select Engineering Services, 03 9720 6333

Select Transmission & Motors Australia,  
03 9761 7355

Statewide Bearings, 03 8710 9777

TSS Company, 03 9702 4502

WAM Australia, 03 9737 4700

## MOBILE PLANT

Belmont Diesel, 03 5241 3385

BT Equipment, 03 9554 0300

CJD Equipment, 03 9305 2566

Delta Rent, 1300 793 071

GP Smith Equipment (Vic) Pty Ltd,  
03 9793 1588

Hitachi Construction Machinery,  
03 9791 6666

Komatsu Australia, 03 9205 9300

Onetrak Pty Ltd, 1300 727 520

William Adams, 03 9566 0666

## ON ROAD VEHICLES

CMV Truck & Bus, 03 9931 6777

## PLANT FABRICATION

Fusion Hire Services, 03 8770 5770

## PRODUCTION CONSUMABLES

Crushing Equipment, 03 9338 0200

Quality Performance Lubes, 03 5367 8794

Roylance's, 03 9645 6622

## SECONDARY BREAKING

Indeco Australia, 03 9315 3266

Petromech, 03 9768 3180



WAM<sup>®</sup> Australia Pty Ltd.

WAM is a world leader in supplying custom built equipment for handling Powders & Granular materials to the cement, concrete & quarry industries. WAM produces high quality equipment, using state of the art technology and manufacturing with a focus on delivering reliability and an unbeatable price to performance ratio to the end user.

**WAM Australia**

Ph: 03 9737 4700

# ACHIEVE **HIRE** PRODUCTIVITY ...EXPECT A **HIRE** LEVEL OF SERVICE!

Exclusive distributor for

# McCloskey

Screening and Crushing systems



- Short and long term hire options
- Late model equipment
- Availability at short notice
- Best service
- Jaw crushers
- Cone crushers
- Impact crushers
- 3 & 4 way split screens
- Reclaimer screens
- Stockpilers

*Ex rental equipment always available for purchase*

Australia's largest independent hirer of screening and crushing equipment

Australia Wide **Phone 1800 803 657**  
**www.msc.net.au**

Visit our website for a comprehensive range of used and ex-hire equipment for sale



**NEW SOUTH WALES**  
Matthew O'Brien  
(02) 9231 0555  
0418 714 743



**VICTORIA/SA/TAS**  
Ian McCartney  
(03) 9671 3555  
0428 501 050



**SE QLD & NORTHERN RIVERS**  
Barry McCann  
(07) 3821 3793  
0419 798 630



The Institute of Quarrying Australia



**CENTRAL & NORTH QLD**  
Kirwan Barr  
(07) 4774 5377  
0419 501 050