

SAND & STONE

The official magazine of the CMPA

- CMPA MEMBERS DAY
- NEW TRUCK CHECKLISTS

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ISSUE 63

June/July 2012

REGULATORY IMPACT ANALYSIS



PP3503334/00001

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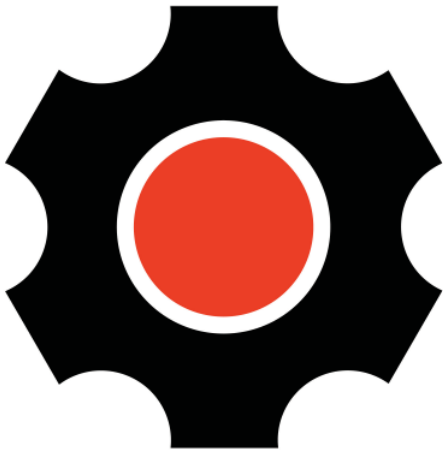
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Inquiry into Greenfields – Final Report to Parliament

BRUCE McCLURE, General Manager of the CMPA reports on the recently presented report to State Parliament on Greenfields Mineral Exploration and Project Development in Victoria.

ON the 30th January 2012 four members of the CMPA attended a *Parliamentary Inquiry into Greenfields Mineral Exploration and Project Development in Victoria* which was set up by the Economic Development and Infrastructure Committee (EDIC) from the Victorian Parliament. The CMPA had been invited to appear before the committee to express the members' observations and experiences on issues relating to the inquiry. The final report of that committee was presented to the Parliament of Victoria on the 22nd May 2012.

The main thrust of this inquiry as stated in the final report was to examine why Victoria has fallen behind other Australian and international jurisdictions in developing its natural endowments for the benefit of its people.

Also stated in the report was the comment that one of the key recommendations of the Final Report is for the Victorian Government to adopt a 'one-stop-shop' for the exploration, mining and extractive industries in Victoria. This will require a whole-of-government commitment to the resources sector and for this position to be communicated widely to the sector and crucially, the Victorian community.

The Inquiry also found that new and improved research partnerships between government, universities and industry would assist to develop capacity in the Victorian resources sector.

The report produced by EDIC is a comprehensive report examining all aspects of greenfields minerals and extractives exploration in Victoria. The Committee met with and took evidence from eighty witnesses representing forty four organisations, travelled to South Australia to take evidence and also conducted site visits at two mineral exploration and mining operations in regional Victoria.

A total of twenty five recommendations have been made in the final report. It is considered that seventeen of the recommendations made by the committee

need to be strongly supported by the CMPA. Although not all of these recommendations appear at first glance to be relevant to the extractive industries, they do impact on our members and the government needs to be encouraged to consider these recommendations as applicable to both the extractive industries and the mining sector.

The CMPA will obviously follow up with the Minister for Energy and Resources and will endeavor to impress on the government the significance of many of the recommendations for the economic future of Victoria.

This report is worth reading and can be found on the following website:
www.parliament.vic.gov.au/edic.

It covers in considerable detail the status of the extractive industry in Victoria. Perhaps one disappointing aspect of the report is that there were not more recommendations made that would have resulted in a better outcome for the extractive industries. Despite many hours of evidence given by witnesses and numerous submissions presented, there has been very little recommended to Parliament that will result in major changes to the extractive industries. In many respects it may be an opportunity lost. ■

See page 14-15 for further details on the recommendations.



ANNUAL DINNER 2012 AT THE RACV CLUB, HEALESVILLE

The CMPA 2012 Annual Dinner at the RACV Club in Healesville is now only weeks away. With the Secretariat now applying the finishing touches to what will be an enjoyable weekend for all members and their guests.

It will be a great night to catch up with old friends, network with fellow members and meet new people with the same interests. You will be wined, dined and entertained with beautiful music. Get your caricature drawn or win a prize at the public auction.

Don't forget the extra activities planned for members across the weekend as well; including golf, breakfast or visit the Healesville Sanctuary, Yarra Valley Railway or The Big Bouquet. Don't miss out on a fun filled weekend.

RSVP for this event closes on Friday 10th August 2012.

Date: Sat. 25th August 2012

Location: RACV Club - Healesville

Time: 6.00pm for AGM,
6.30pm for Dinner

Cost: CMPA Members \$120

MEMBERS SPOTLIGHT

Fulton Hogan

MICHAEL MARASPIN, Division Manager - Quarries of Fulton Hogan reports on the development and growth of the business.

AS one of the most significant stages of growing his Standard Roads construction business, owner, Ron Rado seized an opportunity to fill a gap he saw in the asphalt supply market. Ron realised that if he set up his own asphalt business, and supported it with his own quarry, he could economically and reliably supply his contracting business, whilst supplying product to the local market. He believed that this would give him an edge over his competitors and he was right. It is this vertically integrated model that has seen Tynong Quarry succeed over the years and later caught the attention of Fulton Hogan, the quarry's future owner.

Ron purchased land outside of the metro area in the small country town of Tynong, south-east of Melbourne. This location provided the quarry with an opportunity to support Melbourne's growth as well as supplying the needs of the country areas in West Gippsland.

Michael Maraspin, manager of Fulton Hogan's Victorian Quarries Division, explains, "As Ron Rado anticipated, the quarry's location, allows us to supply Melbourne's fast growing south-eastern urban expansion corridor and other satellite developments in the regional areas of Gippsland. Tynong's location and capacity makes us a key supplier to the metropolitan market. What's important to us is that we've still maintained our core family values as the business has expanded."

Tynong quarry began operations in 1986 as part of Standard Roads. Utilising the vertically integrated business model, the quarry supplied aggregates to the company's Dandenong asphalt plant and a 'hand-full' of local customers. As the quarry developed over the ensuing years, supply increased to several asphalt and concrete plants, road and infrastructure projects, while still maintaining its local customer base.

The quarry has supplied some of Melbourne's largest infrastructure projects in the south-east over the last few years including the Pakenham Bypass, Wonthaggi Desalination Plant and Eastlink - supplying over 500,000 tonnes of asphalt aggregate for this project.

Fulton Hogan, one of New Zealand's leading civil contractors, saw the potential in this vertically integrated business which aligned with its own values and company structure. In 2002 Fulton Hogan acquired Standard Roads and with it the Tynong Quarry. Tynong then became an integral part of Fulton Hogan's quarry business, supporting the company's construction and surfacing arms along with its four other quarry sites throughout Australia; Tylden also in Victoria, Waterloo in South Australia, Blue Rock and Stonemaster in Queensland.

Tynong quarry produces and markets a variety of aggregates, road base products and

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MEMBERS SPOTLIGHT

landscaping and decorative stone. “Due to changing architectural trends we have seen a shift towards natural products such as granite aggregates which are incorporated into exposed aggregate concrete and polished concrete flooring for both commercial and residential developments,” says Michael. “We’ve seen a rise in demand for natural stone and ‘boutique’ decorative products over the past few years and expect this trend to continue.”

More than 15 million tonnes of rock has been extracted from Fulton Hogan’s Tynong Quarry during its 26 years of operation. The quarry was recently granted an extension to its extractive area that will see the creation of a new pit, more than twice the size of the current pit. This extension is expected to extend the life of the quarry by more than 20 years at current sales levels. The first stage of the new pit development requires the removal and stockpiling of approximately 500,000m³ of overburden or waste from the pit. The overburden from the pit will be reused to create screening bunds and to landscape the area around the new pit. Any remaining overburden will be stockpiled for future rehabilitation use at the quarry.

The new pit, together with the planned upgrades to the crushing and screening plant, will see the quarry well equipped for the future. However, the quarry’s workforce remains the most vital ingredient for its ongoing success. Tynong quarry currently employs 20 full time staff working in production and operations, administration and management roles.

“Maintaining a well trained, safety conscious and motivated workforce is a key management responsibility. Focusing on continuous skills improvement, promoting a culture of safety over production and the recognition of achievement and dedication all contribute to a satisfied workforce,” says Michael.

“Our team have always aimed to get the balance right between our operations and our responsibilities to the environment and the local community. Over the years we’ve built a strong relationship with the Tynong community. Regular open and honest engagement is the key to this success.”

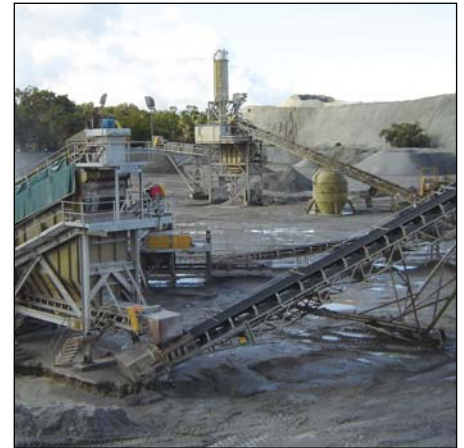
Five years ago additional planting was completed along the quarry boundary to provide further visual screening for the neighbours. In addition, a wetland environment was created on the land adjacent to the Tynong Quarry. This substantial area has not only created a safe haven for any local wildlife that would otherwise have been displaced, but has also created a path for stormwater flow that acts as a natural filtration process.

“At Fulton Hogan we are committed to protecting the local environment and communities in which we operate. It’s important for us to give back to the community that supports us”, says Michael. “We regularly sponsor local events and sporting teams in the area as the majority of the quarry team are from the local area. By supporting the community we are supporting our work mates.”

Tynong Quarry has provided quality products and services to all their customers since 1986 and the team is committed to continuing that tradition well into the future.

Fulton Hogan is also strengthening their relationship with industry and has just reached their first anniversary milestone as a member of the CMPA. Fulton Hogan looks forward to a long and active membership. By joining CMPA, Fulton Hogan recognises that the Association, supported by its members, has a critical role to play in the ongoing professional development of the extractive industry. ■

Pictured on the front cover is a dump truck being loaded deep down at Tynong Quarry.



60 SECONDS WITH A VOTING MEMBER...

What is your name?

Glenn Jessup

Who do you work for?

Fulton Hogan

How many years have you worked for this business?

21 years at Tynong Quarry

How many years have you been involved in the Industry?

23 years (drilled for the first two)

What is your role at the company?

Operations Supervisor

What does your job involve?

Managing production, including: staff, machine allocation, pit development, and everything else that might come up on a day-to-day basis.

What is the best part of your job?

Watching the pit develop, seeing material pour off the belts and roll out the gate.



CMPA NEWS

By **CMPA SECRETARIAT**

CMPA Secretariat provides an update of the latest news and happenings.

RECENT EVENTS

Bruce McClure met with Deb Sutherland Southern Medical Services Pty Ltd and Era Health and Tony Tamburro from Northern Quarries to discuss an upgrade of the CMPA Medical Guidelines and Employment Health Assessments and the possible development of functional assessments based on actual quarry tasks.

Gavin Moreira spent the day at Lake Cooper Quarry, involving a familiarisation of the site, plant/equipment, laboratory and weighbridge.

Bruce McClure met with two members of Skills DMC to discuss a recent restructure of Skills DMC and the changes in the roles of a number of people. Discussed in detail what assistance the organisation can provide to CMPA members in the future.

CMPA attended the latest Earth Resources Tripartite Safety Forum conducted by WorkSafe Victoria in late June 2012 aiming to "Improve health and safety performance in Victoria's earth resources industries"

Bruce McClure met with Jarrod Edwards Director Workplace Hazards & Hazardous Industries Group and Rob Kelly Manager Earth Resources from Worksafe Victoria to discuss the strategic operating structure for the Health & Safety Operations group within WorkSafe. It came into operation on the 1st July 2012.

The CMPA Members Day was held, with a site visit to Northern Quarries followed by a Blasting Workshop and General Meeting of Members.

Box Hill Institute of TAFE held a two day training course on the unit Combined Crushing and Screening.

2012/13 ASSOCIATES REFERENCE MANUAL

The 2012/13 Associates Reference Manual is currently being pieced together, with the intention of delivering the manual to members in early October 2012.

A reminder to all Associates that, a signed membership renewal form will act as confirmation that all content on the form is correct for publishing in the manual. Renewal of advertising in the reference manual must be paid for in full before ads will be included.

There will also be the option of having colour logos or photos placed on your page to brighten up your page and to make your business stand out from the crowd.

Thank you to the five members who have already taken out ads your support is greatly appreciated.

Remember to Support the Suppliers who support you!

DANGEROUS GOODS (STORAGE AND HANDLING) INTERIM REGULATIONS 2011

The CMPA has been made aware by WorkSafe that the *Victorian Dangerous Goods (Storage and Handling) Interim Regulations 2011* are due to expire on the 1st December 2012. WorkSafe has now commenced a process to review and remake the regulations by this date.

The review will consider the operation of the current regulations and will seek to remedy any unintended consequences in their operation. It will also aim to identify opportunities to decrease costs for business without compromising safety standards for Victorians.

PricewaterhouseCoopers has been engaged to prepare a Regulatory Impact Statement (RIS) as part of the review process. The RIS plus the draft regulations will be made available to the public for comment.

The CMPA will keep members informed of any cost implications and impacts on their businesses when draft documentation is available.

SITE VISIT TO LAKE COOPER

Administration Officer Gavin Moreira was out and about on Monday 16th June for his first site visit to a quarry taking in the sites of Lake Cooper Quarries.

The long day involved the following:

- Site induction and inspection of offices.
- Weighbridge operations including review of computerised system and understanding of Traffic Management process on site.
- Tour of quarry site, looking at location of stockpiles and the various sizes / products that are produced and their usage. Including the dry, pre-coat production and wet mix products. Inspection and drive around the North and South pits to gain an understanding of the geology of the rock being extracted across the six benches. He viewed a blasting site set up for a shot the following day with just detonators and explosives required, as well as a drill rig in action setting up for a future blast.
- Visit to the control room of the primary crusher was a highlight where he was able to get a firsthand look at the plant in action as well as gain an understanding of the plant layout and the connection between primary, secondary and tertiary crushers and the different stages involved in crushing and the products produced.
- Final visit of the day was to the laboratory and offices to view the process of sampling and the steps and tests involved to meet the clients request prior to the ordering and delivery of the product. This included reviewing the process of drying, washing, checking weights, moisture content and comparing against physical and rating scales.

An enjoyable and knowledgeable day was had by Gavin. Thank you to Adrian Bull, Maurice Kerring and all the staff at Lake Cooper Quarries for taking the time to show him around your site and providing him with a valuable insight into the everyday operations of the quarry.

HOW SKILLSDMC MAY AID YOUR BUSINESS

Late in June 2012 Bruce McClure General Manager CMPA met with Steve Earles, Manager Workforce Planning and Development from SkillsDMC national industry skills council to discuss what assistance they could provide to CMPA members.

SkillsDMC which was formed in 2004 covers activities in the coal and metal mining, quarrying, drilling and civil infrastructure industry sectors. They are a not for profit national organisation serving the current and future skills of the above industry sectors. They are supported by industry and recognised by the Federal, State and Territory governments and funded by the Federal government.

SkillsDMC's goal as stated by the organisation, is "to achieve successful outcomes for industry, government and individuals demonstrated by a flattening of peaks and troughs of skills needs through a proactive industry – led vocational education and training system".

Skills DMC will work with industry on workforce planning, that is, they can identify skill gaps and recommend training to fill these gaps based on the best and most efficient way of getting funding to assist the training. There will be \$22 million available nationally in 2012-2013 for training needs in the resources and infrastructure area.

A quarry can seek assistance from Steve to help identify gaps, to assist with the application and to identify the type of training required.

A quarry will be required to fund some of the training the amount determined by the number of personnel working under the Quarry ABN. For 0 to 99 employees, the Government will pay 67% of the costs of the training, for 100 to 199 employees the Government will pay 50% of the costs and for 200 + employees, the Government will 34% of the costs.

For any CMPA member contemplating upgrading employee skills or wanting to train new employees a discussion with SkillsDMC is recommended to see what is available and to work out the most appropriate and economical way for you to move forward with training for your employees. Best of all there is no obligation or cost to simply talk to SkillsDMC.

LEADERSHIP MANAGEMENT AUSTRALASIA

Early in July 2012 the CMPA met with John Roberts, Manager from Leadership Management Australasia, (LMA). LMA is a training company that specialises in delivering leadership, management, team development, sales and personal development training. LMA has been involved with management and leadership training within a number of extractive industry companies and is seeking the opportunity to work with more companies in our industry.

As one would expect technical training is a priority at most extractive sites but there may be a number of members who have recognised the need to improve the management and leadership skills of their employees.

The CMPA will be providing more details on this area of training in forthcoming editions of *Sand & Stone*.

MEMBERSHIP RENEWAL

All Members are reminded that membership renewal paperwork has been sent and their prompt renewal would be greatly appreciated. In all cases, no payment is required when renewing membership and tax invoices will be posted once the Secretariat receives this information. Associates are particularly reminded that their membership paperwork includes *Sand & Stone* advertising. Accordingly we need to know your intentions before the August/September issue.

Thank you to those members who have already renewed for the 2012/2013 year.

NOEL ALEXANDER DUNN

31.3.1956 – 17.6.2012

Loved and loving husband of Anna, devoted father to Roly and Lydia, passed away after a battle with cancer.

Noel (pictured right) was one of our longest serving Senior Inspector of Mines and worked out of our Ballarat office for over twenty years. Before he joined the Department of Primary Industries (DPI), Noel worked with WorkSafe Victoria and Ports and Harbours.

Noel was a practical man with a wealth of common sense and it always paid to listen and consider what he was saying. He was also a very good and client oriented inspector - firm but fair and always keen to help his clients to do better if he could.

Noel's willingness to provide advice on how best deal with approvals or other regulatory matters will be missed.

SURVEY OF MEMBERS

The CMPA Members Survey for 2012 has been sent out to all Voting and Associate Members.

The purpose of the CMPA Member Survey is to capture the matters of relevance to Members in order to effectively direct the Association's resources and activities for the betterment of Member's.

Information from the survey will enable the Secretariat:

- To effectively represent the Membership at all levels of government;
- To provide governments with a better understanding of the significant impacts they have on the industry;
- To provide government with a better understanding of the impact the industry has on the State's economy; and
- To provide required business-focussed services to the Membership; in education, training and business operations and management.

The effective provision of these services will provide a reference point for Members to move forward with confidence and to continue to invest in their operations.

Results of the survey will be presented at the Annual Dinner on Saturday 25th August 2012 at the RACV Club in Healesville.

At present there has only been a 23% return of the surveys.

Please invest this time to ensure the CMPA stays relevant to your business needs.



Submission to the Productivity Commission to IMPROVE REGULATION-MAKING

PETER DAY, of Peter Day Consulting provides a summation of the CMPA's submission to the Australian Government on the process of Regulatory Impact Analysis in Australia.

THE Federal Government's Productivity Commission is conducting a study of the process of Regulatory Impact Analysis in Australia. An effective RIS is crucial to the development of regulations over industry and in that sense the Association was keen to present its views and proposals for change to the Commission.

The following is a summary of the key points in our submission. As required the submission responded to specific questions posed by the Commission. The submission is included on the Productivity Commission's website.

The CMPA has seen no evidence of the quality of regulation improving.

Despite repeated, evidenced-based calls by the Association for legislative reform of unsustainably costly controls in Victoria of the restrictions contained in the *Extractive Industries Development Act 1995*, they were continued with the passing of replacement legislation in 2009. Since its inception in 2000 the Association cannot point to any element of regulation over the industry that has been improved, reduced or influenced by the RIS process. Typically the RIS provides an argument for greater regulation rather than coming from a position where regulation is the intervention, and therefore needs to be justified.

The scope of RIS process should be directed to the development of policy at the broadest level rather than being confined to subordinate legislation.

All policy development requires a rigorous assessment. 'Policy' must include all actions taken by Governments that impact on the economy. This includes proposals for major capital investments, adoption of Codes of Practice, mandatory guidelines, legislative and regulatory proposals and other instruments. The RIS process should apply to local government as well as State and Federal Government.

Government agency heads should be held personally accountable for policy developments and required to publicly explain the rationale used when the RIS assessment process is not undertaken.

The incentive-based approach used effectively in the occupational health and safety legislation across the country should be adopted for all policy development (which includes development of legislation and regulation).

The CMPA has seen no evidence that the RIS process has been effectively integrated into policy development.

Only with the commitment of Governments and Parliaments to balance social and environmental objectives with the ability of the economy to pay (through a competitive business sector) will effective outcomes in policy development be achieved. Clearly, regulatory gate-keeping arrangements have failed and in themselves, act to legitimise their inadequacies while imposing additional costs.

The most prevalent weakness in RIS' reviewed by the Association is a general lack of identification of the costs associated with options for regulatory intervention.

A far greater emphasis must be given to researching and assessing the impact costs of proposed regulation and other options on industry and the general community. A corresponding weakness of the RIS process is the lack of quantification of the benefits of the options. Typically, benefits are expressed in only qualitative terms and are exaggerated. For example, new requirements for Cultural Heritage Management Plans required in aboriginal heritage legislation were estimated in the relevant RIS to cost \$20,462 each. In practice, the costs of preparing these plans range from \$25,000 for a desktop plan to in excess of \$300,000 for a comprehensive plan prepared by a consultant for a small operation. These costs do not include the proponent's time or the holding costs of stalling the project. The quality of the RIS and the oversight arrangements were clearly incompetent in this case.



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The draft Model Work Health and Safety Regulations Mining and associated Draft Code of Practice for the Work Health and Safety Management Systems in Mining are a recent example where the national RIS process has failed.

The draft Regulations and Code were promulgated for comment without the required RIS and the draft Model Regulations had been given in-principle endorsement by the Ministerial Council without assessment of the costs and benefits and impacts for industry.

In its submission on this matter the Association argued this was blind policy development that had no regard for the drivers of the economy – business and industry.

The Premier of Victoria recently released a supplementary report of the impact of the proposed national work health and safety laws in Victoria which revealed that Victorian businesses would face additional costs of more than \$3.4 billion over the next five years which would 'impact severely on the productivity of the State's small businesses'. These costs were to be expended without the corresponding value of benefits.

Clearly the current arrangements for independent scrutiny of compliance with RIS processes are inadequate.

In most cases performance monitoring of the RIS processes in each jurisdiction involves a Government agency (eg Federal Office of Regulation Reform) overlooking the work of another Government agency. This is only partial 'independence'.

A more independent model, such as a Policy & Regulatory Advisory Council or board comprising representatives from business and industry, relevant consumer groups and relevant Government agencies should be adopted to advise on the performance of the RIS process in each jurisdiction.

The P&R Council would report to the relevant Ministerial Council annually on the performance of the RIS process. The Council would audit selected policy instruments/RIS' and advise on the adequacy of the process and rigour of its analysis. Where policy instruments/RIS' are found to be inadequate the relevant Minister would be advised with a recommendation to amend the instrument accordingly.

This approach should be developed for the broad scope of policy development including for legislative and regulatory instruments. The model should be used for both national and State/Territory jurisdictions so that savings can be achieved by dismantling the range of existing oversight bodies with the creation of one body.

Consultation documents should be precise, targeted and not be issued unless they include some evidence of cost assessment.

Often it appears the 'consultation' process is undertaken to merely 'tick the box' rather than used to gather informed input. Where cost information is being elicited, estimations of costings should be available of Government administration and enforcement while indicative estimations of potential industry costs can be made – certainly within categories of costs such as application and renewal of approval costs and record keeping.

Open-ended consultative documents that seek unsubstantiated wish lists from the community are of little value – most people want the best but when faced with the question about willingness to pay, will quickly reach a compromise solution they are prepared to pay for. Wish list documents also raise unrealistic expectations that, when not achieved result in aggrieved citizens. They can also ignite frivolous or vexatious submissions of complaint which have the potential to misguide or delay the process. ■



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Members day in the north of Melbourne

CMPA Secretariat reports on the successful day recently held in the north of Melbourne for CMPA Members.

A fine but cold morning on the 27th June 2012 saw over 60 representatives of the quarry industry from all over Victoria meet at the Coolaroo Hotel in the north of Melbourne to get on the bus for the tour out to Northern Quarries in Epping. Prior to departure, Gordyn & Palmer (Member's Day sponsors) did a presentation on 'Maximising your plant capability', through optimizing throughput efficiency, plant automation and transparent reporting. The presentation allowed members to remotely view the ongoings of the plant on a computer screen. The bus travelled for the last time through the old Cooper Street entrance and attendees were able to witness firsthand the Rehabilitation of the site.

Ron and Pat Kerr, Mark Wagner, Wayne Deken and all the Northern Quarries team had put in a great effort to have the operation in tip top shape for the site tour. It was a special day for the quarry and it's owners with the opening of the newly restored Miller House (original homestead on the property), the new quarry entrance on O'Hearns Road and re-located weighbridge and offices. Morning tea was provided as attendees viewed Miller House as well as displays of mobile plant from Associate Members Komatsu (Excavator) and Onetrak (Hyundai Loader).

Then it was back on the bus for a tour of the quarry including the pit and a hands on look at the plant and equipment. The sales team from Gordyn and Palmer were also on hand to give a run down and further explanation on the plants automation which operated beautifully.

'Great to see a well built and thought out quarry plant and it was clean – Well done.'



'I appreciated the opportunity to come along and inspect the new Northern Quarries Processing Plant.'

The bus then headed back to the Coolaroo Hotel for a quick bite of lunch before Bruce McClure facilitated the Blasting Workshop. WorkSafe's Martin Davies provided an in depth overview of updated guidelines on Safe Distances and putting together a Blast Management Plan (BMP) and a Safe Work Method Statement (SWMS). Whilst Adam Gordon of Orica spoke about the changes to the Shotfirers License Renewal course and the new CMPA publications – Shotfirers Book and Magazine Management Safety Checklist.

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:

- Michael Lamden, VECCI speaking on Carbon Tax

- Jillian Mannix, BRIT speaking on development of Sampling Course
- John Welsh, on updated Truck Regulations and the Chain of Responsibility
- John Mitas, providing an update on MRSDA review and the latest at DPI
- Mick Steinfort, Gordyn & Palmer speaking on minimising the impact of rising electrical costs by automated processes.

This was followed by a 2 course dinner and networking with other members.

A total of sixty 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.

Thanks to our sponsors, Gordyn & Palmer and Orica for making the day possible.



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Participants of the CMPA Member's Day at Northern Quarries, Epping

CMPA Member Nirmine Zeghaib from Allstone Quarries has provided her summary of the Members' Day

NORTHERN QUARRIES VISIT

Having no previous experience in quarrying and only been working three months at Allstone Quarries, I was very excited to attend the CMPA Member's day. The CMPA committee and members were most welcoming and supportive.

However I find myself shocked as being the only female, from a Quarry, at this event.

I was very impressed with the organisation of the event including the proceedings at Northern Quarries. To have the opportunity to visit a well-established Quarry and to network with other individuals, within the industry, was very rewarding and placed me with a better understanding of the Quarry industry. I was completely overwhelmed at how well organised, designed and managed the site at Northern Quarries was (full credit to Northern Quarries) and how much work I have to do at our own sites.

The overall presentation from Northern Quarries was impressive as well as their openness to share ideas and support other Quarry members.

We were divided into groups and taken on an informative tour of different sections of the plant. We inspected the new integrated system and how it worked from an operator perspective. It was very interesting as it removed the need for paperwork and every detection was picked up on the system. It appeared to be a very well planned and designed system which the team at the Northern Quarries are glad to have.

Coming from an Occupational Health and Safety (OH&S) background I was very

impressed by the traffic flow and guarding system in place. The traffic control plan separated on site, heavy and light vehicles and restricted access to the site; I was also impressed to see allocated parking for all light vehicles such as staff, visitors and even down near the plant. It made me feel like I was back at an open cut BMA site in central Queensland.

For the future it would be a great to get an insight into the systems used at other Quarries such as procedures and actions - thus enabling the Quarry industry to work together to build a safe working environment for all our workers and community.

CMPA BLASTING WORKSHOP

The visit to Northern Quarries was followed by a blasting Workshop back at the Coolaroo Hotel. The workshop was a great way to develop an understanding of and requirements regarding blasting, providing an opportunity to interact and work with other individuals. Martian Davies from WorkSafe Victoria discussed requirements of a Blast Management Plan (BMP), Safe Work Method Statement (SWMS) and Safe Distance. The Workshop was very interesting and provided all participants with requirements needed under the *Dangerous Goods (Explosives) Regulations 2011*. We were provided with a BMP template which can be implemented into a BMP onsite. Groups were arranged to discuss Blasting Management Plans and issues at sites. It was interesting to hear other opinions and I was very impressed to hear CMPA Member Quarries' operations comply with regulation requirements. A very useful workshop for me from an OH&S perspective, I was glad to hear SWMS for Blast Management only needs to be written once and becomes a useful procedure others may use - which may be altered if changes occur.

CMPA GENERAL MEETING

I was glad of the opportunity to take part in the member meeting. It was a great way to network and to hear from various guest speakers regarding topics impacting the quarrying industry.

John Welsh discussed updated truck regulations and the chain of responsibility. The topic I was most looking forward to listening to. I was unaware of these updates and glad they were addressed. The members really got involved and discussions were heated around load limits and chain of responsibility. I was very impressed to see the CMPA state guidelines were "just guidelines" and we should be working above them. We want to move forward and sustain an industry based on safety, quality and consistency.

Jillian Mannix from BRIT Bendigo TAFE presented on development of sampling courses. I was shocked to hear these courses are not available and there is a gap in the industry regarding training. We, as a quarrying community, must support and work with BRIT in developing these programs to better our industry and people in the future.

Michael Lamden, VECCI, provided a talk on carbon tax. This gave members an insight into how carbon tax may affect our industry. He made some good points including the sense of reviewing all contracts from our suppliers, understanding price increases and re-negotiating contracts. ■



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Inquiry into Greenfields – Recommendations to Parliament

BRUCE McCLURE, General Manager of the CMPA comments on the report recently presented to State Parliament on Greenfields Mineral Exploration and Project Development in Victoria which was set up by the Economic Development and Infrastructure Committee from the Victorian Parliament. Continuation of his article from page five of this edition of *Sand & Stone*.

IT is considered that the following recommendations do impact on our members and the government needs to be encouraged to consider these recommendations as applicable to both the extractive industries and the mining sector.

The recommendations are:

3: That the Victorian Government adopts an integrated, whole-of-government approach to the state's resources sector, supported by clear and consistent policies, and that this policy is widely communicated to the resources sector and the broader Victorian community to demonstrate strong support for the sector and its future.

4: That the Victorian Government works with industry to develop and support a comprehensive community education program that promotes the value of the resources sector to the state.

6: That the Victorian Government develops a state-wide integrated, strategic land use policy framework to better manage competing land uses in Victoria. This framework should be subject to periodic review giving consideration to economic, social and environmental factors.

7: As part of the development of an integrated state-wide strategic land use framework, that the Victorian Government ensures studies are undertaken to determine areas of high prospectivity for extractives and future extractives needs in metropolitan Melbourne and regional Victoria.

8: That the findings of the extractives prospectively and future needs studies be incorporated into the state-wide strategic land use framework, be protected in local planning schemes, and have appropriate post-extractive uses identified that are consistent with and sensitive to abutting areas.

9: That the Victorian Government reviews the system in which landholders are notified by mineral or extractive licence applications covering their land, to ensure, where appropriate, directly affected landholders receive timely, written notification.

13: That the Victorian Government considers ways of improving access to Crown land for mineral exploration as part of the wider review of land use priorities in Victoria.

14: That the Victorian Government conducts a review of compensation agreements under the *Mineral Resources (Sustainable Development) Act 1990* to encourage fair outcomes for those with a specified beneficial interest directly and adversely affected by mineral exploration.

15: That the Victorian Government reviews the current rehabilitation bond system in comparison with alternative existing mechanisms, taking into account the end-of-mine-life environmental legacies, whilst honouring obligations for rehabilitation of specific sites.

16: That the Victorian Government examines the feasibility of reducing or removing royalty charges on overburden material for extractive developments.

18: That the Victorian Government establishes statutory timeframes under the *Mineral Resources (Sustainable Development) Act 1990*. These timeframes must be binding upon the Department of Primary Industries and its referral agencies, incorporated into annual reporting requirements and be equivalent to Australian best practice.

19: That the Victorian Government considers redirecting the regulatory focus of exploration, mining and extractive work plans towards outcomes and away from prescriptive conditions, in order to better manage risk and achieve socially, economically and environmentally sound outcomes.

20: That the Victorian Government considers the recommendations of the Victorian Competition and Efficiency Commission's report a sustainable future for Victoria: getting environmental regulation right (2009) to improve the transparency and efficiency of the Environmental Effects Statement process in Victoria.

21: That the Victorian Government develops a 'one-stop-shop' framework to provide a single point of entry into Victoria's regulatory system for the full range of resource sector activities from exploration to production under the *Mineral Resources (Sustainable Development) Act 1990*.

22: That the Victorian Government considers the recommendation of the Policy Transition Group's Report to the Australian Government (2010) that the Productivity Commission be directed to conduct a review of regulatory barriers faced by exploration companies in Australia.

24: That the Victorian Government strengthens Victoria's role in research and innovation, through facilitation of partnerships between the Government, universities and the resources sector.

25: That the Victorian Government establishes a process that determines local infrastructure requirements for mining development projects, facilitates plans to meet those needs, identifies appropriate funding models, and minimises adverse effects while maximising benefits for local communities.

It is important to note that a majority of the above recommendations have been placed before government either in a submission on issues affecting the extractive industries or as a request because of proposed changes to regulations and departmental structures. The obvious question from this inquiry is when will the government and relevant departments finally take note of the knowledge, the experience and advice of people who run good family extractive industry businesses in this state. ■

CROWNING GLORY REQUIRES FORETHOUGHT

ERIK BIRZULIS, Director of LANDAIR SURVEYS reports on the need to clarify what type of land you're planning to utilise.

I was recently reminded about the importance of researching and understanding the status of public land and the potential impact this status can have on development of a site. By public land I am referring to Crown Land.

Just as it is vital during your planning phase to choose the right methods for surveying a site, determining how the land is owned and managed can have a significant impact on commitment of funds and potential usage.

At Landair Surveys we service a wide range of industries, and we have witnessed instances of difficulties resulting from inadequate research or forethought into the status of public land.

A recent workshop, on Leases and Licenses on Public Land, highlighted the importance of clarifying what type of land you're planning to utilise. By clarifying the Crown Land status, you can determine how best to commit resources towards the most profitable use for your business.

Clearly it is important to seek qualified advice, as Crown Land law can be a complex area, however I have outlined below a relatively straight forward reference guide for assessing the land you are intending to utilise.

LAND STATUS

The default status of land is "unalienated and unreserved land of the Crown". All land in Victoria once had this status. Approximately two thirds of land in Victoria has been alienated by Crown Grants to Freehold Land or alienated for a term as Leasehold Land. The remaining one third of Victoria is therefore Crown Land.

Crown land can be:

1. Unalienated Crown Land
2. Reserved Crown Land (Temporary or Permanent Reserves)
3. Government Road
4. Vested Crown Land (vested to authorities such as Education, VicRoads, VicTrack etc.)

5. Other forms such as

- a) National Parks
- b) Reserved Forest
- c) Coastal Crown Land
- d) One-off status such as the MCG.

The legal designation of Crown Land will determine the different land acts that govern it, which in turn impact the terms of use and lessee rights.

LEASES AND LICENSES

Crown land may be leased or licensed from the Crown. A lease grants exclusive possession of land to the lessee for a defined term. Whilst a license, generally allows non-exclusive use of land for a fixed term, and it does not convey an interest.

As such, a license would not be appropriate for the purposes of operating a quarry because it does not grant exclusive access to the land. However a license over adjoining Crown Land may be necessary for a quarry operator to use a water pipeline, for example.



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LEASING

The below table is a summary overview of typical Crown Land leases.

Two ministerial approvals are required for a lease on Reserved Crown Land, with the “grant and purpose” test determining whether the proposed purpose of the lease is detrimental to the purpose of the reserve or not. The terms and conditions of the lease must then be approved. Importantly, all commercial leases are subject to a market


valuation by the Valuer General Victoria or a registered valuer. Establishing rental levels are then based on either a revenue sharing model or a pricing formula. There can also be opportunities to negotiate, however isn't a given and can only be determined on a case by case basis.

It is also important to note that Native Title can exist on Crown Land, and any leases will still be subject to the required approvals under the *Planning and Environment Act* as well as DPI conditions.

As mentioned above, Crown Land law can be a complicated area. To avoid potential complications, appropriate advice should be sought at an early stage for any proposed developments. ■

To discuss further, or for information on planning the most appropriate surveying solutions for your site, call Erik Birzulis at Landair Surveys on (03) 9887 2888 or e-mail erik@landair.com.au

Type of Land	Legislation	Landlord	Terms
Unalienated Crown Land	Land Act 1958	DSE as agent for Minister for Environment and Climate Change	21 years may be extended to 50 or even 99 years
Reserved Crown Land	Crown Land (Reserves) Act 1978	Committee of management with the approval of Minister for E&CC or if there is no Committee of Management then the Minister	21 years, with possibility of 65 years
Government Road	Land Act 1958	As a lease grants exclusive possession, usually a road must be discontinued before it can be leased	
Reserved Forest	Forests Act 1958	DSE as agent for Minister for Environment and Climate Change	21 years, with possibility of 65 years



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Engineers Without Borders

Community partners from the quarry sector in India visit CMPA

Kristen Wood, Returned Overseas Field Volunteer, Engineers Without Borders Australia reports on the quarry links between Australia and India.

TWO Australians recently spent a year working on quarries in India as overseas field volunteers with Engineers Without Borders. Engineers Without Borders works in partnership with developing communities within Australia and overseas to assist them to gain access to the knowledge, resources and appropriate technologies they need to improve their livelihoods. Madeleine Jenkins and Kristen Wood were working with an organisation known as Santulan on community water supply and occupational health and safety.

Santulan are a community partner of Engineers Without Borders Australia, and they work to improve the living and working conditions and to fulfill basic rights for quarry workers in India. In India, it is common for quarry workers to live with their families in makeshift huts surrounding the pit. There is no dust control, PPE or workplace safety training. There is also very little mechanisation or automation of operations and almost all the work is done manually. For a quarry in Australia that would require 15 employees, a similar quarry in India would require almost 300.



The next stop was Northern Quarries in Epping. For Mr Rege, a visit to Northern Quarries was like a glimpse into the future for stone quarries in India. He compared quarries in Australia and India as being like ‘the sky and the earth’, in that they were two extremes. Mr Rege was awestruck by the cleanliness, quiet and order of the Australian quarry. The Northern Quarries representative escorted the visitors around the site and into the control room and generously shared his experience of quarrying with Mr Rege.

The visit to CMPA and Northern Quarries was an incredibly eye-opening experience for Mr Rege. He sees that on the one hand, increasing automation in Indian quarries will save lives, but will pose other challenges for quarry workers as it will deny many people a source of income. It became clear from the visit that the future focus of Santulan’s work will be to build higher-level skills among quarry workers as operations become increasingly automated.

Engineers Without Borders and Santulan thank the CMPA and Northern Quarries for their incredible generosity and openness in sharing their story. The knowledge shared will certainly help pave the way for safer, healthier quarries in India. ■

In India, Kristen and Madeleine worked with Santulan and the quarry workers to begin to identify common hazards and develop strategies to minimize the risk of harm. They assisted with the delivery of health programs for children and workers, developed plans to provide access to clean drinking water for workers and produced an occupational health and safety training DVD in Hindi.

In May 2012, the director of Santulan, Mr Bastu Rege, toured Australia to raise funds for the construction of a school for children from Indian quarries. While in Melbourne, he visited the CMPA offices in Kilmore with representatives from Engineers Without Borders. The first thing that struck him was the mandatory occupational health and safety induction video – “We don’t have anything like this in India!” he said, wide-eyed.



LAND TAX IN VICTORIA

Over the last few months a number of members have raised concerns with the Secretariat regarding Land Tax and its implications on their business. Two members of our association with considerable experience in this area were approached for their comments. The following is the second of two articles that will discuss this complex issue.

ANDREW LUMB, a Solicitor from Nevett Ford Melbourne Pty Ltd provides a further view on Land Tax.

A LEGAL PERSPECTIVE

The following comments are offered and may to some extent serve to enlighten one or two questions raised by Robin Hocking in his recent Discussion Paper.

The view is expressed that turnover and profit is not an acceptable valuation methodology for quarries, although the Valuer Generals Guidelines do include capitalisation of earnings before interest and tax as one of the acceptable valuation methods. Although in the guidelines the example given results in a capital improved value, the implication is that the methodology is applicable to establish site value, as the calculation involves adding back the value of structural improvements. This methodology appears to assume that

the valuer is in possession of a considerable amount of the quarry operator's financial information.

The Valuer Generals Guidelines include a suggested information questionnaire for quarries which includes the following items:

- estimated life of quarry;
- estimated level of reserves;
- annual rate of extraction;
- gross revenue for previous 3 years;
- average charge;
- gross operating costs for the past 3 years and breakup of such costs;
- last 3 years profit and loss statements;
- book value for plant and equipment;
- rehabilitation obligation and costs;
- amount of royalties.

Quarry owners will consider this to be highly sensitive commercial information and be very uncomfortable about providing this to a valuer conducting the municipal valuation for rating (and land tax) purposes, particularly as very likely the valuer will be a contract valuer, who may see no problem in adding the information to his database for use in other entirely commercial contexts.

While there are provisions in the *Taxation Administration Act 1997* which require people to keep and produce records to enable a taxation liability to be properly assessed and the Commissioner has extensive powers to require information and production of documents. This applies to land tax as such, but not to valuations

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for rating purposes which are then adopted in a secondary manner by the State Revenue Office, for the purpose of calculating and assessing land tax.

Under the *Valuation of Land Act 1960* a valuer engaged pursuant to the Local Government Act may, when reasonably necessary for the purposes of a valuation, enter and inspect any premises, and/or may either verbally or in writing put questions to the owner, his agent, or the person in occupation to enable a true and correct valuation to be made. However only if the valuation is for a Minister or permanent head or principal officer of a government department, or the secretary or similar officer of a public authority, can the valuer inspect any books or documents or papers and take extracts from them. This would not seem to include a valuation for a municipal council.

A person who refuses entry or refuses to answer questions put by the valuer, or wilfully provides a false answer, is guilty of an offence and liable to a penalty not exceeding two penalty units (approximately \$230.00).

The ability to extract financial information of the sort detailed in the Valuer Generals Guidelines, seems to be limited, and it is doubtful that a valuer could effectively obtain copies of the quarry operators financial statements by requiring answers to a multitude of detailed questions, as otherwise there would be no point in confining the right to inspect books and documents to valuations carried out for a minister or permanent head of a department etc.

The real problem with the methodology of establishing value by capitalisation of earnings before interest and tax, is the underlying assumption that the quantum of earnings is solely linked to the hole in the ground, whereas it may be significantly linked to the expertise, reputation and business acumen of the quarry operator, or perhaps influenced by the quantity and quality, or lack of it, of the



Site photo – Moree Quarries

plant and equipment used in the operation. Is there logic in the proposition that the rating value of the quarry property, (and hence the amounts of rates and land tax paid), should be less in the case of a poor operator than in the case of a very good operator? It is true that the Valuer Generals Guidelines require the valuer to adjust for “exceptional management” (and abnormal factors affecting revenue) but it is difficult to see how the valuer makes this judgement, or that such a subjective judgement should determine the valuation outcome.

Another question raised was the extent to which land tax assessments can be retrospective. *Section 9 of the Taxation Administration Act 1997* allows the Commissioner to make a reassessment of a tax liability, increasing the assessment, even if an amount previously assessed has been paid. However under *Section 9* the Commissioner cannot make a reassessment more than 5 years after the initial assessment unless there was not full disclosure of relevant information previously, or another Act authorises reassessment after 5 years. *Section 51 of the Land Tax Act 2005* specifically permits reassessment after 5 years.

Reassessment is of course different to a situation where there has been no previous

assessment, and in the case of reassessment there is obviously a wider issue of the extent to which people can rely on an assessment as finalising the matter.

It therefore appears that there is probably no statutory limit on retrospectivity of a land tax assessment. It is to be noted that *Section 134 of the Taxation Administration Act 1997* limits prosecution of an offence against a taxation law to a period of three years after the offence. Prosecution for an offence is of course different from assessment of tax for a previous year, or recovery of that tax. However when enquiry was made at the State Revenue Office, the answer was that they would assess back to 2008, effectively 3 years. This appears to be nothing more than a current policy as the person spoken to could point only to *Section 51 of the Land Tax Act* as relevant to the issue, and *Section 51*, for the reasons above, does not answer the question.

Andrew is a very experienced Solicitor with Neveff Ford Melbourne Pty Ltd who has provided legal advice to the CMPA for over ten years. The CMPA would like to thank Andrew Lumb for his article on Land Tax.

The CMPA would again like to thank Robin and Michael Hocking from C.J. Ham & Murray Pty Ltd for their articles on Land Tax.

An advertisement for Liebherr Australia Pty Ltd. The main image shows a yellow and white Liebherr wheel loader in a quarry setting, with a large pile of material in the background. The Liebherr logo is prominently displayed in the top left corner. In the bottom left corner, there is contact information for Liebherr Australia Pty Ltd.

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WorkSafe Victoria Update

BRUCE McCLURE, General Manager of the CMPA reports on the changes to the structure within WorkSafe Victoria which impacts on the Extractive Industries.

In the Feb / Mar Issue of *Sand & Stone* the Secretariat mentioned that WorkSafe Victoria was proposing internal changes to the department structure. One of the proposals was that the Extractive Industries area which operated at that stage under the Construction and Utilities Division be moved to the Earth Resources area (which already includes mining) in the Hazard Management Group.

As from the 1st July 2012 the new internal structure for WorkSafe is now in operation. The Extractive Industries and Mining are grouped together in Health and Safety Operations and under the Workplace Hazards & Hazardous Industries Group. The Director for this group is Mr Jarrod Edwards.

Hazard & Safety Operations within WorkSafe Victoria will comprise of three Regional operations across Victoria, West, East and North, Operations Support Division, Planning, Performance & Implementation Team and finally, Workplace Hazards & Hazardous Industries Group. Mr Rob Kelly Manager Earth Resources, whose team sits within the Workplace Hazards & Hazardous Industries Group, is the point of contact for all issues involving the Extractive Industries.

Hazards & Safety Operations have stated that the 2012/2013 priorities which will cover all industry groups are:

- Inspector visits/employer programs
- Manual handling
- Dangerous plant and machinery
- Construction
- Agriculture
- Asbestos
- Health and safety representatives
- Dangerous goods
- Psychological hazards and public safety.

It should be noted that WorkSafe intends to recruit twenty three new inspectors in 2012/2013 covering all industries so this will likely increase the possibility of quarry sites being visited by inspections on a routine inspection.

The following Quarries Activity Report comments on visits to quarry sites by WorkSafe from July 2011 to the 15 June 2012.

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William Adams



VISITS

WorkSafe Inspectors have completed 199 quarry related visits in the financial year to date, including 63 new visits since the previous meeting in January 2012.

Visit Type (project)	July 2011 to Jan 2012 (last report)	Feb 2012 to Present	July 2011 to Present
Quarries / Extractive Industries	121	56	177
Incident Response	5	1	6
Workplace Health and Safety Issue	0	1	1
Follow-up on previous incidents	3	2	5
Asbestos Removal Compliance	4	1	5
Machine Operators project	2	0	2
Safe Towns	0	1	1
Dangerous Goods Act	1	1	2
Total visits	136	63	199

NOTICES

WorkSafe inspectors have issued a total of 96 notices (inc. voluntary compliances) in the financial year to date, including 20 new notices since the previous meeting in January 2012.

* Note only notices written under Project 133 are included in this table.

Notice Types*	July 2011 to Jan 2012 (last report)	Feb 2012 to Present	July 2011 to Present
Improvement Notices	51	19	70
Prohibition Notices	15	0	15
Dangerous Goods Notices	3	0	3
Voluntary Compliances	7	1	8
Total Notices	76	20	96

REPORTED INCIDENTS

As noted above, there have been a total of six incident response visits during this period. Five of which were previously reported at the January 2012 meeting.

Although there has been a downward trend in all incidents as shown by the statistics supplied by WorkSafe, all members need to remain vigilant and to ensure that all OH & S procedures are in place and are being adhered to. The biggest threat that we all face is complacency. ▀

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New On Road Truck Pickup & Delivery Checklists

GAVIN MOREIRA, Administration Officer of the CMPA provides an overview of the updated On Road Truck Pickup & Delivery checklist.

THE CMPA has recently reviewed and updated the On Road Truck Pickup & Delivery Checklist and accompanying Procedure Document which is now available to purchase at a cost of \$25 for Members and \$45 for Non-members.

The main reason behind the current review is to ensure that our Members are meeting their obligations regarding Fatigue Management.

There are a range of obligations as a Employer, Consignor, Scheduler or Loading Manager, however simply put it means that parties in the Chain of Responsibility are accountable for both their action (that is something they do) or inactions (something they could or should have done and didn't).



For a direct employee of the quarry your obligations are clear:

1. Ensuring that a driver is fit for duty
2. Has not exceeded any of the legislated work hours
3. Has complied with appropriate rest breaks
4. If the driver operates under a 100 kilometre radius, the employer records the driver's name, work and rest time, along with the start and finishes locations and the registration number of the vehicle.
5. If the driver exceeds 100 kilometres, that Work Diaries are completed by the driver, obtained by the employer, checked for compliance and filed for a minimum of two years.

If the driver is an Ex Bin driver (including captured contractors):

1. An assessment must be undertaken of the driver before commencing duty (i.e. filling in a checklist, visual inspection by the Scheduler. The basic obligation is to ensure that any driver that arrives at a quarry to load is not affected by fatigue. You don't have to look at Work Diaries or anything, it's simply an observation based on the driver behaviour and reactions.
2. If the driver appears to be fatigued and you do nothing you could be held liable.
3. If the driver appears to be affected then there needs to be a process of contacting the driver's employer, or perhaps preventing the driver from loading.

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For further information on your requirements and responsibilities under the chain of responsibility visit the VicRoads website: www.vicroads.vic.gov.au.

The update of the book has taken close to six months to complete, starting with a small group of members. This was followed by detailed communications with Briony Rowley from Northern Quarries and John Welsh from John Welsh & Associates and culminated with a recent presentation by John to the Members at last month's CMPA General Meeting.

The On Road Truck Pickup & Delivery Checklist was designed to ensure that all deliveries are made in compliance with the *Occupational Health & Safety Act 2004*, *Victorian Road Safety Act 1986* and subordinate legislation. Particular attention must be paid to Chain of Responsibility requirements, fatigue management provisions and the requirements of all other relevant Acts and Regulations.

All drivers must take appropriate rest breaks and complete a Work Diary where necessary as per the *Victorian Road Safety Act 1986*.

The major change to the checklist that Members need to aware of is an additional column called 'Monitoring Fatigue and Hours of Work' which needs to be signed by the driver.

By signing this column you are stating that you have met all obligations under the applicable legislation with regards to hours of work, rest breaks, work diaries, etc.

The table above outlines the legislated rest breaks you MUST adhere to and MUST record daily on your "On Road Truck Pickup & Delivery Checklist".

TIME	WORK	REST
In any period of...	A driver must not work for more than a MAXIMUM of...	And must have the rest of that period off work with at least a MINIMUM rest break of...
5 ½ hours	5 ¼ hours work time	5 continuous minutes rest break
18 hours	7 ½ hours work time	30 minutes rest time in blocks of 15 continuous minutes
11 hours	10 hours work time	60 minutes rest time in blocks of 15 continuous minutes
24 hours	12 hours work time	7 continuous hours stationary rest time*
7 days	72 hours work time	24 continuous hours stationary rest time
14 days	144 hours work time	2 x night rest breaks** and 2 x night rest breaks taken on consecutive days

* Stationary rest time is the time a driver spends out of a regulated heavy vehicle or in an approved sleeper berth of a stationary regulated heavy vehicle.

** Night rest breaks are seven continuous hours stationary rest time taken between the hours of 10pm on a day and 8am on the next day (using the time zone of the base driver). These breaks can be part of a 24 continuous hours stationary rest break.

Weighbridge operators reserve the right to refuse to load or dispatch any vehicle where the driver is or could be contravening any of the above mentioned legislation.

If any driver is observed as being unfit for work, either through their behaviour and/

or appearance they must park their vehicle in the nominated parking area and proceed to the Dispatch Office to complete an 'Observable Impairment Assessment' and if deemed necessary, the driver's employer may be contacted.

The CMPA strives to educate industry participants with the development of resources in an attempt to increase the overall safety of the industry. The next step for the CMPA is to look at training for Weighbridge Operators in regards to conducting the Observable Impairment Assessment.

The obligation lies with the owners and directors of companies to ensure that employees have a safe working environment which is not a risk to their health. ■

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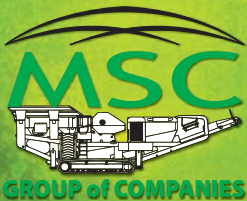
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Carbon Tax – What It Means to Your Business

BRUCE McCLURE, General Manager of the CMPA reports on what the Carbon Tax will mean to your business.

As all Australians are aware the Carbon Tax comes into operation on the 1 July 2012. The impact on business is obviously not known at this stage but various authorities including the Federal Government have varying opinions on what it will mean and what the impact will be on businesses.

This article does not comment on the rights or wrongs of the tax but will only be commenting on the likely impact on our members businesses.

Organizations such as the Victorian Employers Chamber of Commerce and Industry (VECCI) have held seminars around Victoria where the likely impacts on business have been discussed and they have tried to give an indication of likely impacts.

From the 1st July 2012 approximately 300 of the biggest emitters of carbon pollution (carbon dioxide, methane, nitrous oxide and perfluorocarbons from aluminum smelting) will be required to pay, via a permit system on every tonne released into the atmosphere, an initial tax of \$.23 per tonne.

This tax is to be indexed to inflation and will rise to around \$24.15 in 2013-10 and \$25.40 per tonne in 2014-15 depending upon inflation. From the 1st July 2015 the price paid per tonne will be set by the market via a cap and trade system.

Most companies operating large emitting facilities will be liable, that is, those who generate over 25,000 tonnes of CO₂-e emissions each year. The numbers of emitters is largely based on emissions data reported under the National Greenhouse and Energy Reporting (NGER) Scheme

A price on carbon will not apply to fuel for household transport, light vehicle business transport and off-road fuel used by agriculture, forestry and fisheries. A carbon price will however, be applied to domestic aviation, domestic shipping, rail transport and non-transport use of fuels.

The Government has also foreshadowed that there will also be an application of a carbon price on heavy on-road transport from the 1 July 2014. All extractive industry businesses will need to keep a close watch on fuel prices and its impact on their costs.

A number of new federal government bodies will be established and funded to oversee the carbon tax implementation, including a Climate Change Authority, which will advise the government on carbon tax implementation and a Clean Energy Regulator, established to administer the scheme. In addition a newly formed Clean Energy Finance Corporation will invest \$10 billion dollars over 5 years in new clean energy technology, while the Australian Renewable Energy Agency will consolidate \$3.2 billion in existing federal programs to fund renewable energy projects. There are also a number of other compensation and development funds focused on biodiversity, low carbon agriculture, small business grants and support for indigenous communities.

VECCI has identified the following cost increases to your business as a consequence of the carbon tax. This is based on Government modelling and other available data and should be taken as an indication only. The anticipated cost increases for resources are Electricity

30%, Gas 15%, Water 0.5-1.5%, Steel 0.5-2.0%, Aluminium 0.5-2%, Concrete 0.5-5%. Please note that, for the example above, the carbon tax will contribute to electricity price rises by approximately 10% and it is important to understand the origin of rises if attributing price increases to the carbon tax. However, discussions with a licensed electricity retailer has indicated that the electricity price rise for some commercial and larger industrial customers may be a lot higher than 10% and the actual percentage increase will not be known until after your next electricity bill arrives. The impact on other areas such as Fuel, Waste, Chemicals, and Paper are unknown at present.

The ACCC has been directed by the Australian Government to undertake a compliance and enforcement role in relation to claims made about the impact of the carbon price.

The ACCC's role includes:

- informing and educating businesses, including through issuing guidance, about their responsibilities under the Act in relation to these claims
- raising awareness amongst consumers about their rights under the Act
- investigating and, where appropriate, taking action against businesses who engage in practices that contravene the Act.

The ACCC's focus is to ensure businesses do not make misleading claims about price increases as a result of the carbon price. The ACCC does not have a role in formally monitoring, setting or restricting price increases linked to the carbon price and cannot prevent a business from putting up its prices as a result of the carbon price.

Some businesses may choose to absorb additional costs associated with the carbon price, while others may choose to pass additional costs on to customers by increasing the price of their goods and services.

If a business tells you its prices have gone up due to the carbon price, the business has a legal obligation to ensure this is not false, misleading or deceptive and should seek to ensure its claim is right.

Businesses are allowed to increase their prices but when businesses claim that their price rises are linked to the carbon price, the law states they must not mislead. This is the same for any claim about a price increase.

If you intend to raise your product prices due to the introduction of the Carbon Tax then be very careful about the amount you intend to raise your prices by and it make it very clear what your price rise is attributed to. The ACCC is watching the Carbon Tax issue closely and in the worst case scenarios will be seeking court-imposed penalties of up to \$1.1 million for serious breaches or injunctions to stop a business from making certain claims.

Now that the Carbon Tax is in place and now applies to all businesses, there obviously will be considerable monitoring and comment from many sources. The CMPA will keep members up to date and provide information on relevant costs and other issues arising as soon as they are known. ■

VLPA Update

PETER MCCLUSKEY provides an update on the Victorian Limestone Producers Association.

'NEED FOR MANAGING ACIDIFICATION'

In the last edition of *Sand & Stone* I referred to the National Land and Water Audit of 2001 which stated that: "Regular testing of soil pH and applications of lime and/or dolomite can be used to manage acidification risk". More recently the Commonwealth's Division of Land and Coast has produced a series of reports on land management practice trends in horticulture, broad acre cropping, grazing and dairying.

What emerged from this process was that it is estimated that about 50% of agricultural land is below the pH level needed to prevent sub-soil acidification. Hence assistance is being granted to Catchment Management Authorities, Landcare Networks etc. to promote healthy agricultural soils.

Application of lime is a critical component of this program and VLPA has continued its involvement.

Recently VLPA was part of the Latrobe Catchment Landcare Network and West Gippsland Catchment Authority's "Soil Acidity and Lime" field day. The day included a number of presentations, firstly at Flynn Public Hall near the LoyYang power stations followed by a field trip to inspect the positive effect on pastures of a nearby property. The event was well attended by local farmers and agribusiness professionals. ■

Further information is available from Peter McCluskey by phoning 0408 496 588.



A group of Gippsland farmers at the Flynn Public Hall being addressed by Gerhard Grasser one of the soil health consultants at the recent Soil Acidity & Lime day organised through the Latrobe Catchment Landcare Network



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Annual wage review for Modern Awards

Fair Work Australia (FWA) has handed down its 2012 Annual Wage Review Decision.

GAVIN MOREIRA, Administration Officer, CMPA reports on the changes to wage rates and allowances.

IT'S the start of a new financial year; please ensure your employee wages and allowances have been updated.

Fair Work Australia's 2012 annual wage review, which takes effect on the first full pay period on or after the 1st July 2012 has delivered an increase to the Modern Award weekly rate of 2.9%.

Be aware that the new minimum wage rates payable under all Modern Awards have been updated. This includes the Quarrying Award 2010, Premixed Concrete Award 2010 and the Road Transport and Distribution Award 2010 just to name a few.

Please see the table (to the right) for new minimum wage rates payable under the Quarrying Award 2010 together with a comparison with last year's rates.

A full-time employee must be paid a minimum weekly rate for their classification as set out in the table.

The following allowances need to be adjusted to take into account the new weekly rates.

- Leading hand/in charge of plant
 - In charge of plant (2.18% of the standard rate per week)
 - In charge of less than 3 employees (2.18% of the standard rate per week)
 - In charge of 3 to 6 employees (3.04% of the standard rate per week)

WAGE RATES APPLICABLE TO THE QUARRYING AWARD 2010

Classification	2011 Minimum Weekly Rate	2012 Minimum Weekly Rate	Difference per Week
Grade 1	\$589.30	\$606.40	\$17.10
Grade 2	\$605.90	\$623.50	\$17.60
Grade 3	\$646.70	\$665.50	\$18.80
Grade 4	\$666.10	\$685.40	\$19.30
Grade 5	\$686.20	\$706.10	\$19.90
Grade 6	\$707.40	\$727.90	\$20.50

- In charge of 6 to 10 employees (3.78% of the standard rate per week)
- In charge of more than 10 employees (6.0% of the standard rate per week)
- Industry allowance – 3.25% of standard rate per week
- First aid – 1.9% of standard rate per week
- Use of own vehicle - \$0.75 per kilometre
- Payment for wet weather – if too wet for normal duties, paid for all time lost
- Protective clothing – up to 2 pairs of overalls and safety boots, demonstrated costs of laundering and reimbursed cost of tools and appliances
- Overtime – work outside of the normal daily working hours will be paid at time and half for first 2 hours and double time beyond that. ■

To obtain a copy of the Quarry Award please visit the Fair Work Australia website www.fwa.gov.au and download a pdf copy



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Bell Cochrane & Associates – Basil Natoli

CMPA Honorary Voting Member, BASIL NATOLI reports on the growth of his business and its connection to the extractive industry.

MY connection to the extractive industries started with an early interest in geology at secondary school in the mid 1960's and after matriculating in 1967 I enrolled in the RMIT Associateship Diploma course. Part of this course was the completion of 3 months work experience which I started in late 1969 at the Country Roads Board (CRB). This commenced in the Materials Research Division laboratories under the supervision of Elmer Nyoeeger and later in the geology section under Alan Muir.

In early 1970 when the nickel boom was in full swing I decided to get a full time job and complete my diploma part time. I contacted a local geological consulting group E. A. Webb & Associates and, although I had no experience, started the next day as a petrologist. Luckily I was mentored by Elmer Nyoeeger who also lectured in petrology at RMIT.

E.A. Webb & Associates was founded by Eric Webb in the mid 1960's and had established a client base of mineral exploration, mining and quarrying companies. Their office then occupied the ground floor of the Readymix Groups building who were also a major client. I was given the task of processing, identifying and analysing samples from various sites around Australia. The CRB had recently specified Secondary Mineral Content (SMC) limits for basalts used in their construction works and SMC testing became a significant proportion of the work I undertook. Some of the basalt quarries and sites I was involved in assessing then included Deer Park, Wollert and Pakenham.

In the heady days of the mining boom geologists were in short supply and well paid jobs were always on offer. Eric Webb's motto then was to make sure you finished your work before going out to lunch because you probably wouldn't be capable of doing much after lunch. Towards the end of 1971 the boom was faltering and cut lunches from home were eaten in the office. In early 1972 E.A. Webb started downsizing from around 14 geologists to one, being Geoff Bell, who continued the consulting practice trading as G. Bell & Associates. Eric Webb had gone on to found publicly listed companies Endeavour Resources and Endeavour Oil.

Employment prospects for geologists then were slim and many went into other areas such as teaching. I was fortunate in that Readymix

had just opened up a new basalt quarry at South Morang which contained a significant proportion of high SMC basalt and were looking for someone who could carry out SMC testing. I started at Readymix in early 1972 and was put in charge of a new investigation and testing facility at their Alpha quarry in Epping.

Readymix then was a very progressive company and set up this facility to make sure that the mistakes of the past wouldn't be repeated. They invested in the equipment to carry out all the CRB source rock tests and a new diamond drilling rig for site investigations. This facility employed 7 people and was set up as a resource to be used by interstate and overseas divisions of Readymix. The laboratory gained NATA registration later in 1972 and I was the NATA signatory and manager. The laboratory relocated to the nearby Readymix Bundoora quarry in 1974.

Readymix then had a lot of very experienced quarry operational people who I was fortunate enough to learn a lot from. These included David Sullivan, Stan O'Connor, Keith Clugston, Alan McKern, Cliff Box and Alec Graham. I also grew up in this industry with quite a few younger operational people at Readymix including Harry Dodd, Dick DeLaRue, Bob Duncan, the Giobbi brothers, the Jones twins, Peter Carr, Murray Murfett and one particularly rough looking character based at South Morang quarry called Ron Kerr who later became very attached to one of the veranda posts outside the South Morang pub.

The work load was hectic and I was involved in investigating and assessing reserves and planning development of many new sites including Werribee quarry, Heatherton sand pit and Oaklands Junction quarry. I was also involved in ongoing assessments and planning of Ready-mix's Victorian managed quarries and sand pits at Epping, Brooklyn, Bundoora, South Morang, Clayton, Dingley, Yallourn North, Trafalgar, Army Road Pakenham, Smythesdale, Shelbourne East, Charlton, Tyrendarra, Berrigan and Cape Bridgewater.

In the mid 1970's my responsibilities were extended to cover production quality control of over 4 million tonnes per year from Readmix's Victorian sites involving five onsite laboratories and one mobile laboratory.

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Concurrent with these activities I represented the Crushed Stone Association as a member of a SAA sub-committee involved in preparing Australian Standard test methods and specifications for quarry products. I also represented Readymix on a committee overseeing research into the durability of Victorian basalts. This work was undertaken by CSIRO with oversight from other committee members representing CRB, MMBW, ARRB, Boral and Pioneer. I was later involved in peer reviewing CSIRO papers stemming from this research.

Following a few blasting mishaps in the mid 1970's I set up blast monitoring systems at Ready-mix's Melbourne quarries and undertook interstate blast monitoring on special projects.

In the early 1980's Ready-mix's owners BMI and CSR split the business Australia wide and I ended up on the BMI side and became responsible for resource assessment and planning of additional quarries at Montacute and Noarlunga near Adelaide and at Launceston and Hobart in Tasmania.

In 1982 Boral took over BMI and despite assurances that no one would lose their job as a result of the takeover, in 1983 I became one of a large number of BMI employees who did. I then set up my own consulting business trading as Sand & Stone Services Pty. Ltd.

In mid 1984 following the sudden and untimely death of Geoff Bell, I acquired his consulting practice which has continued as Bell, Cochrane & Associates Extractive Industries (BCA). This was in effect the consulting group I first worked for in 1970 and which has been supporting the extractive industries since the mid 1960's.



Basil and Andrew Natoli

During the 1980's the practice gained the services of Ian Widdowson, a very talented cartographer from the resource industries and Richard McCutcheon an ex Victorian Mines Department geologist with extensive experience in sand resource assessment. In the mid 1990's Cameron Black, a mining engineer, joined the practice after 11 years at Readymix involved in quarry operations, management and technical services support.

Continued on page 32

60 SECONDS WITH AN ASSOCIATE MEMBER...

What is your name? Ian Widdowson

Who do you work for? I work primarily for Bell Cochrane & Associates as a Cartographer Contractor

How many years have you worked for this business? 27 years

How many years have you been involved in the Industry? 27 years

What is your role at the company? Cartography

What does your job involve?

Mapping, aerial photography, surveying data acquisition. Work on presentations, 3D modelling, graphic representation of geological information. Develop site safety plans and work on quarry site information and displays.

What is the best part of your job?

The environment in which I work & the people within the industry I work with.



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Continued from page 31

In 2004 Andrew Marshall a geologist with over 11 years experience in industrial minerals and construction materials assessments and operations at ACI and Unimin joined BCA. His input has added to a combined total of over 100 years of experience in extractive industries resources assessment and development planning currently at BCA.

BCA has an extensive range of clients including all the major public quarrying companies, numerous private quarrying companies, construction companies, government departments and agencies, local government, financial institutions and individuals.

Larger projects BCA have undertaken include:-

- **Karkarook Park Heatherton** – investigation of sand resources and development planning for a sand extraction operation.
- **Philippines** – selection and evaluation of sand and aggregate sources and establishment of raw material quality control systems for construction of an offshore concrete gravity structure built at Subic Bay.
- **Alice Springs – Darwin Railway** – investigation, assessment and development planning of a basalt quarry at Katherine for supply of ballast for the northern portion of the project.
- **Pakenham Quarry Environmental Effects Statement** – Resource investigation and development planning for the extension to a basalt quarry.
- **Point Wilson Quarry Environmental Effects Statement** – Resource investigation and development planning for the extension to a basalt quarry.
- **Marulan, NSW** – Resource investigation and development planning for a major new quarry to supply the Sydney region.
- **Saudi Arabia North-South Rail Project** – Selection and assessment of ballast and sleeper aggregate materials for approx. 900km of rail construction.
- **Olympic Dam SA** – Resource assessment and development planning of a 4 million tonnes per annum backfill quarry to support underground mining operations.

From the mid 1980's through the 1990's the large public quarrying companies diversified into other industries and lost sight of one of the fundamentals that our industry depends upon i.e. access to quality construction materials resources which is best achieved by identifying and protecting strategic extractive resources for future use.

The lack of focus back then led to the situation where our industry's future was under threat from poorly informed government regulation

and policies particularly in the areas of environmental and heritage controls. Further damage resulted through punitive rehabilitation bonds imposed by the department that once used to be the protector of the states extractive resources. The scene was being set where only the wealthiest companies could afford to continue in this industry and all consumers would inevitably end up paying the highest prices for their products.

In the late 1990's Ron Kerr invited me to a meeting of predominantly family operated quarrying businesses which led to the formation of the CMPA. The association has gone on to provide a unified voice for the independent operators in Victoria, representing over half the industry's supply capacity. This voice is finally being heard in government but there is still a long way to go in getting our message through.

The CMPA has been instrumental in providing for the ongoing upgrading of the other fundamental resource for our industry which is dedicated, trained and experienced operational people who are the lifeblood of our industry. The input into education, training and the resources developed and provided by the CMPA have been invaluable to all industry members.

The future resource challenges which the CMPA will continue to address will be:-

- retaining our good people against increasing demand from the mining sector
- making the community and government understand that extractive resources are State Assets that are essential for ongoing community development and that their value needs to be weighed against competing environmental and heritage values.
- getting government to act in the interests of the whole state by identifying and protecting strategic extractive resources to provide competitive supply of construction materials for future generations. ■

*For further information contact Basil Natoli,
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The 'Clayprocess' helps raise Plasticity Index

ROB BURNS, Managing Director, Claypro (Australia) Pty Ltd reports on how the "Clayprocess" can help raise Plasticity Index.

IN 2004 the reconstruction and duplication of the Calder Highway at Malmsbury was under way. Hanson's Axedale Quarry had successfully tendered and won supply of Road base materials to the project, the Vicroads project specification called for a Plasticity Index (PI) of 4 + or - 1 for it's Class 1 Road base.

Hanson Quarries Axedale had a Road base with a PI of 2 to 3 but without an additive could not meet the 4 PI requirement. Hanson Quarries Axedale manager Mr. Peter Dunlop whilst wanting to meet the specification, did not want to add a high PI sand because of the alteration to the grading on the bottom end and also because if the additive was not consistent the threat of a nonconforming product being supplied carrying claims against the supplier.

During a meeting at Burns Resources Clay Mine between Peter Dunlop, John Jobson (Senior Engineer for Vicroads) and Rob Burns, John recommended trying Burns Resources clay if it was fine enough to mix.

Claypro was at this stage, milling Axedale ball clay to -75 micron for ceramics and refractories. Claypro Australia Pty Ltd had been established in 2001 to vertically integrate with Burns Resources and value add to the Axedale ball clay which had been previously supplied as a crude clay to the pottery, ceramic, refractory and brick manufacturers.

Axedale Ball Clay is secondary kaolin renowned in the pottery and ceramic industries for plasticity and green strength and has been used in these applications for almost one hundred years.

The "Clayprocess" consists of pre breaking -40ml clay, drying it, and then passing the clay through an air swept high speed impactor with control of the air flow for particle size reduction and classification. The clay powder is then separated from the airstream via dust collectors. The processed clay is then either bagged in 20kg paper bags, 1200kg bulk bags or dense phased transferred to silos for load out into bulk pressure tankers.

A test conducted at Hanson's lab that day amazed the participants, 1% Claypro mixed/blended like a dye, evenly coated the crushed rock. Further testing showed that 1% claypro had increased the PI from 2 to a factor of 4. The PI is an important property in flexible pavement materials, it indicates a range of moisture content over which the fine particles (less than 0.45mm)



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behaves plastically, a PI that is too high will cause issues with pavement stability, particularly under dynamic loads whilst a PI that is too low will result in a pavement material that lacks cohesiveness and may result in unravelling and/or uncompacting of that particular course.

The majority of natural pavement materials sourced within Victoria are unable to meet Vicroads PI requirements, whilst also meeting the requirements for swell, grading envelopes and CBR. Claypro is the solution, when mixed into Class 1 paving material at low percentages has demonstrated to have positive effects on the PI and permeability properties, while having minimal affect on the swell, grading envelopes and CBR of such materials this positive affect can be attributed to Claypro having a very high PI and a very small particle size.

Hanson's Manager, Peter Dunlop installed equipment for dosing Claypro to their pug mill at the rate required, usually between 0.75% and 1%, this was achieved via load cells, weigh belt, and PLC.

The most common method used for the addition of Claypro is a 150mm auger with variable speed from bulk silo to pug mill or conveyor belt and with testing; a ratio for the feed rate can be ascertained.

The claypro has a bulk density of approximately 0.75, aerates easily and will flow very easily in this state but if left static will tend to hang up but with aerators fluidizes immediately. We are pleased to assist with proven systems for this additive.

Claypro has helped not only Hanson Quarries Axedale to attain PI requirements but also Barro Mountain View at Point Wilson for Geelong bypass, Barro Seymour for the Nagambie bypass, Fulton Hogan and Holcim Tynong for the Pakenham bypass and Fulton Hogan Tylden for the Calder Freeway. ■

The Author would like to thank for their contribution to this article; Peter Dunlop (former manager Hanson Quarry Axedale) and Tim Dunlop BEng(Civil),MIEAust.

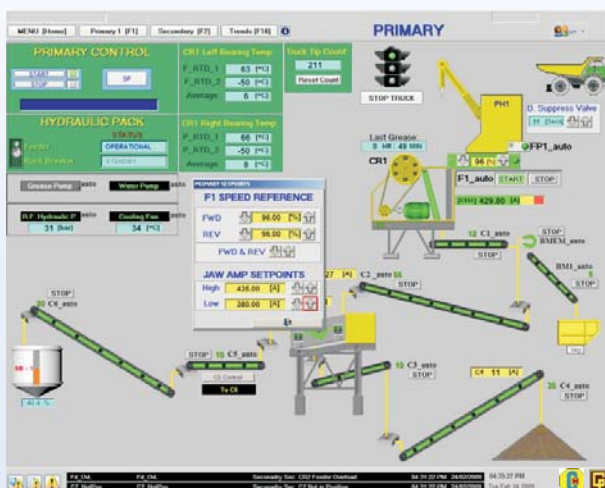
For more information contact Rob Burns, Managing Director, Claypro (Australia) Pty Ltd on 03 5449 3970 or at clay_pro@bigpond.com



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TRAINING & EVENTS

2012 CMPA AGM & DINNER

Have a fun night or an enjoyable weekend away? A reminder that the CMPA 2012 Annual Dinner is now only weeks away. The picturesque town of Healesville is the destination; the RACV Club is the venue for what will be a fantastic night of entertainment. The Secretariat is now applying the finishing touches to what will be an enjoyable weekend for all members and their guests.

The Annual Dinner will be a great night to catch up with old friends, network with fellow members and meet new people with the same interests. You will be wined, dined and entertained with beautiful music from Three's Company Trio. There will also be an opportunity to get your caricature drawn from cartoonist Tony Bramwell or win a prize at the public auction.

This year the CMPA has organised extra activities for members and their guests across the weekend to participate in including an eight hole round of golf and a one hour train ride through the Yarra Valley. It's a great way to socialise and create team bonding skills with your employees and staff.

I look forward to meeting and greeting you all.

**Don't miss out on a fun filled weekend!
RSVP Closes on Friday 10th August 2012.**

CUT, WELD AND BEND MATERIALS

This two day course covers the cutting, welding and bending of materials in resources and infrastructure industries. It includes the planning and preparation for the work, the setting up and testing of the equipment, the cutting, heating and bending of materials using oxyacetylene, the shutdown of equipment and clean-up activities.

Why employees should attend?

This course is specifically catered for people who use Oxy equipment and manual metal arc welders on the job for basic routine tasks.

This training meets the requirements of the unit of competency (RIISAM205A) from the Certificate II in Extractive Industries Training Package. It requires the attendance of both day's training and the successful completion of an assessment task

Date: Monday 20th and Tuesday 21st August 2012

Time: 7.00am—4.00pm

Location: Quantec Solutions, Champions Road, Newport

Cost: \$660 for the two days of training
(includes lunch, tea & coffee)

The Reference Manual is available to purchase from the CMPA at a cost of \$65 for members or \$85 for non-members.

Class sizes are limited to 10 so please get in early. Please bring your Welding and Oxy PPE if available, or notify us if PPE not available.

STRUCTURAL WELDING COURSE

Quantec Solutions are conducting a 5 Day Structural Welding Course to AS1796 & AS1554. Participants can chose to Arc, Mig or TIG as the process for qualification.

Date: Monday 27th to Friday 31st August 2012

Time: 7.00am—4.00pm

Location: Quantec Solutions, Champions Road, Newport

Cost: \$2,200 for the five days of training
(includes lunch, tea & coffee)
\$220 for WTIA Exam

Please bring your Welding and Oxy PPE if available, or notify us if PPE not available.

Prerequisites are that participants must have at least 3 yrs experience welding on the job in the process enrolled, which we need confirmation in writing from the employee.

To book either of these training welding courses, please contact Carl Hussell at Quantec Solutions by phoning 0425 768 090 or email carlh@quantec.com.au

Refer to the CMPA website homepage www.cmpavic.asn.au at any stage for an up-to-date list of all upcoming training courses and events and their relevant booking details.

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