

Victorian CCAA Environment, Health & Safety Award Submissions 2015



EH&S AWARDS 2015 HEALTH & SAFETY NOMINEES

This award recognises excellence in developing and implementing a solution to an identified health and safety issue. Entries for this award may include a product solution, engineering innovation, a training program, an awareness raising activity or other risk control measures that reduce the risk of work-related injury and illness.

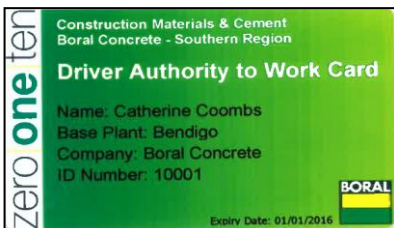
Boral - Agitator Driver Training

A 10 day program for new drivers focusing on safety standards, induction, PPE, defensive driving, fatigue management and customer focus identifies high risk drivers, allowing management of that risk, improving recruitment and reducing incidents.



Boral - Agitator Driver Authority to Work system

Introduction of the Driver Authority to Work (DAW) system across the Southern Region agitator fleet allows for ready recognition of competent, qualified, inducted and trained drivers and vehicles at any time by issuing a unique DAW id card to all qualifying drivers.



Boral - Charlton Quarry Traffic Management

Installation of pedestrian and mobile equipment motion sensors and flashing warning lights to overcome blind spots around the workshop area which meant it was difficult for heavy mobile equipment, light vehicles and pedestrians to see each other.



Boral - Central Laboratory Safety Upgrade

Safety upgrades to a range of laboratory equipment resulted in a reduction in manual handling issues, more effective guarding and improved equipment isolation.





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Boral - Concrete Plant Standard LOTO Procedures

Standardization of LOTO procedures and equipment across 25 country Concrete Plants that uses an Isolation & Lockout Matrix that clearly identifies all tasks associated with the plant and all isolation points.



Boral - Dunnstown Quarry product bin loadout laser guide

A laser was installed on the front of the product bin to guide truck drivers so that material is centrally loaded into the trucks, improving truck road stability



Fulton Hogan - Improved Field Testing Vehicle

A purpose built ute body has been designed and built in house which significantly reduces the manual handling risks associated with field testing activities. Innovations include a pull out slider system which allows easy access to the heavy NDM gauge and a coring drill mounted on a slide system at the rear of the ute.



Grace Australia - Reducing Laboratory Manual Handling Issues

Use of equipment such as a Drum Grab Rotator (forklift attachment), Auto Weigher and Power Lifter during laboratory trials of concrete mixes and sand and aggregates preparation and batching reduces the risk of manual handling issues.





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Hanson - Carisbrook Quarry Manual Handling Solution

Repetitive nature of manually lifting the heavy rubber mat to check the screen deck for blockages and inherent potential for a manual handling injury was removed by installing a boat winch to mechanically lift the rubber mat.



Hanson - Carisbrook Quarry Safety Barrier

Installation of temporary visual barrier of posts and ratchet straps provides safety barrier at the top of the face during set up and loading of blast shots.



Hanson - Collingwood Concrete Plant Pedestrian Warning Lights

Sensor triggered flashing lights and signs warn pedestrians of trucks about to exit the plant onto Hoddle



Hanson - Lysterfield Laboratory Sample Splitter

Incorporate the sample splitter into the standard bench height to reduce manual handling issues associated with bending over and working on the ground and lifting samples of up to 15kg at a time.





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Hanson - Lysterfield Quarry Circuit Breaker Lockout

Installation of tamper proof, safe and effective circuit breaker lockout system.



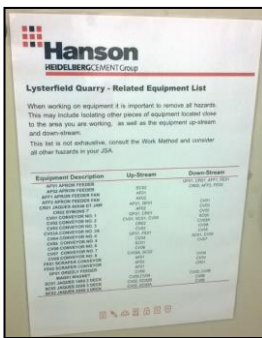
Hanson - Lysterfield Quarry Emergency Card

Business card sized emergency card providing key information of what to do in an emergency for all visitors and contractors on site.



Hanson - Lysterfield Quarry Lockout Lists

Lockout lists were developed for each piece of equipment, also identifying the upstream and downstream pieces of equipment that had to be locked out. Posters of this information is available in each of the electrical Control Rooms.



Hanson - Agitator Safe Cabin Entry

Large reminder sticker placed on the agitator cabin door to ensure the driver maintains 3 points of contact when entering and exiting the agitator cabin.

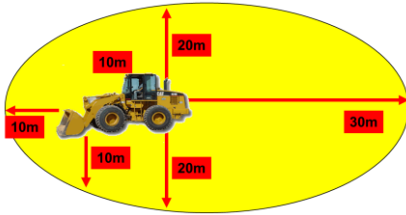




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Holcim Australia - 10, 20, 30 Rule

The 10, 20, 30 Rule establishes rules for Light Vehicles to manage the interaction between light vehicle and heavy earthmoving equipment.



Holcim Australia - Colac Quarry Safety Reporting & Close Out

Increased management focus on regular reporting of safety issues by the workforce and timely close out of all issues raised has led to an improved safety culture and improved productivity at the site.



Holcim Australia - Footscray Concrete Overhead Bin Upgrade

Upgrade of overhead bin enabled the installation of staircase access, improved guarding and improved corrosion protection of hoppers and bins.



Holcim Australia - Hold Points

The Hold Point process was developed to manage the interaction between light vehicle and heavy earthmoving equipment in the quarry pit area of a site.





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Holcim Australia - Lyndhurst Concrete Pedestrian Walkway

Installation of yellow road markers instead of painted lines that outline safe pedestrian walkways



EH&S AWARDS 2015 ENVIRONMENTAL NOMINEES

This award recognises outstanding achievement in developing and successfully applying a new initiative or an original solution in one or more aspects of environmental management at a concrete, extractive or cement operation.

Boral – Mildura Recycled Concrete

Crushing and screening of returned concrete waste to produce material to supplement virgin quarry material in a range of concrete mixes. Reduces the need to transport virgin quarry material 300km and reduces material transported to landfill.



Boral - Striped Legless Lizard Salvage

A cheaper, quicker, more efficient, low harm method of salvaging the threatened Striped Legless Lizards from soon to be cleared land adjacent to the Deer Park Quarry was developed. It includes fencing, laying out roof tiles, ripping of soil and excavation and was approved by the Commonwealth Department of the Environment under the EPBC Act.





EH&S AWARDS 2015 ENVIRONMENTAL NOMINEES

Hanson - Quarry Life Awards

The Quarry Life Award is a biodiversity research competition whereby students conduct ecological research in Hanson quarries. The aim of the competition is to highlight the ecological value and potential of quarry sites. Hanson in Australia was a founding participant in the inaugural Quarry Life Award, an international competition organised by the Hanson Heidelberg



Hanson - Chemical Dust Suppression on Lysterfield Quarry Access Roads

Application of a hygroscopic solution based on magnesium chloride on quarry access roads that acted as a compaction agent, stabilizer and dust suppressant, all in one.



Holcim Australia - Footscray Concrete Overhead Bin Upgrade

Upgrade of overhead bin enabled the installation of a closed vessel with a dust cover to eliminate the possibility of emissions to the environment.

