

Issue No. 9 – December 2023



HEADLINES

- **Health and Safety Awards 2024** – coming soon! Start thinking about your entries now!
- **Preventing serious incidents** - MPA Board re-emphasises the importance of sharing information when serious incidents occur as a means of assisting others to learn and to put in place measures to help to prevent similar incidents from happening again.
- **Safequarry** – updated and now an even more effective gateway to resources and materials, including incident alerts, that can help you to make a positive difference – encourage your team to sign up
- **Launch of new Reporting Protocol** - and wider initiatives to encourage sharing of HIPO's and Incident Alerts





INTRODUCTION

Welcome to edition No.9 of the MPA Health and Safety Bulletin which covers the health and safety statistics for the 3rd quarter of 2023 and current issues.

The objectives of the Bulletin are to provide an update on current matters which may be of interest to members, to give a clear and simple interpretation of the Health and Safety KPI's and to assist members in identifying both what the industry and individual organisations need to focus on to improve health and safety for all.

All member feedback is welcomed and will help us to ensure that the Bulletins are informative and interesting. If you have any questions or comments, please get in touch via colin.mew@mineralproducts.org

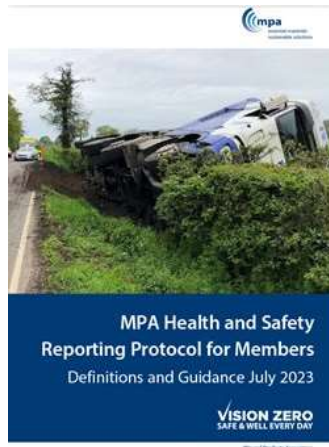
HOT TOPICS FOR MEMBERS

1. New MPA Reporting Protocol

MPA collects health and safety data from all of our Members to help progress to Vision Zero and the reduction/elimination of harm. This includes, but is not exclusively, reporting progress against the 'Hard Targets' and 'Leading Indicators' agreed by the Members and as a means of informing public affairs. Good quality data and consistent reporting is essential if risks and causes of injury and ill health are to be identified and eliminated. Industry data can also be used to help to secure fair and proportionate regulation by relevant authorities.

In recognition of some confusion and lack of alignment in members understanding of what they are required to report and when, the MPA Health and Safety committee has developed a new **Reporting Protocol**, which has been approved by the MPA Board. The revised protocol took full effect on 1st January 2024 and sets out definitions, scope and expectations for reporting data and can be downloaded from the main MPA website. [Health & Safety \(mineralproducts.org\)](https://www.mineralproducts.org/Health%20&%20Safety)





2. Sharing HIPO's and Incident Alerts

Members will be aware of several recent fatalities. These serve to reinforce the importance of our collective efforts to eliminate 'The Fatal 6' from our operations and achieve Vision Zero.

These tragic events have also highlighted the critical importance of sharing information about all incidents, particularly high potential incidents (as defined in the new Reporting Protocol) or those where there has been a serious injury or fatality.

YOU can help - by sharing information about these events and accurately tracking incidents you can help us to assist members and indeed the whole Mineral Products Sector, to learn and to put in place measures to help to prevent similar incidents from happening again.

The MPA Board has also unanimously re-emphasised the importance of Members sharing information as soon as they are able, when serious incidents occur, as well as including in their quarterly statistical returns.

Safequarry Incident Alerts facilitate the rapid sharing of information to a wide audience. MPA is keen to receive alerts that members have produced for internal or external audiences in any format. This can be achieved by both alerting MPA via [Colin Mew](#) or [David Yelland](#) and/or simply submitting your own internal alert.



MPA has made it as easy as possible to report incidents. We will accept alerts in any format including a phone call. They are all strictly anonymised, including removing Company logos or anything that could identify the source. In response to members request, a standardised template for submitting incident alerts is now available. It is based on Microsoft Word and provides guidance notes, it helps a member to identify and structure the key information that will be helpful to share with others.

The template is not intended to replace the existing alerts submitted by members but to be available to any user who might find it helpful. It is easily accessible on Safequarry can be downloaded directly from the [Incident Alert page on the Safequarry website](#).

3. Safequarry.com Updated

[Safequarry](#) has undergone significant updates and represents the gateway to a unique reference of good practice, incident alerts, tool box talks, guidance and Hot Topics that are relevant across the entire Mineral Products Sector.

Members are encouraged to visit the site and explore. MPA will be producing a short, 90 second video that explains how to get the best out of the site. It is easier to navigate since the update and the search facility further enhances the useability of the resource.

Users can expect to find;

- Over 500 incident alerts
- 133 toolbox talks
- Over 1200 examples of good practice, many of them Award winning entries in the MPA Awards

As reported earlier MPA are keen to promote learning in all forms across the industry and Safequarry is key to this. Some really important insights and learning come following events or incidents. Preventing recurrence and injury is the ultimate aim and if we can learn from the experience of others, it can be one of the most valuable free lessons available.

A number of incident alerts or HIPOs submitted recently highlight the breadth of issues and what we can all learn from the experience of others.

Have a look at the following incident alerts and explore the site while you are there.

- E-Cigarette battery bursts into flames whilst in engineer's pocket [Health & Safety across the quarrying and quarry products industry \(safequarry.com\)](#)



- A powerful video about a delivery driver who sustained a serious eye injury [Health & Safety across the quarrying and quarry products industry \(safequarry.com\)](#)
- Tipper lorry roll over during the unloading of a bulk fuel material (contains graphic video) [Health & Safety across the quarrying and quarry products industry \(safequarry.com\)](#)

These are just a few of over 500 safety alerts on safequarry. In addition to the alert there are descriptions of the outcomes of investigations and linked to relevant guidance and standards.

The database of incident alerts on Safequarry is a vast repository of information in its own right. What is more, individuals can easily register on Safequarry to receive alerts to their inbox as they are uploaded to Safequarry. Details of how to do that are on the Safequarry homepage.

Please share this QR code with colleagues who would benefit from receiving safety alerts and please consider submitting an alert if you are unfortunate enough to have an incident where there are any learnings across industry. They are completely anonymous and it may save a life.



[Health & Safety across the quarrying and quarry products industry \(safequarry.com\)](#)

4. Safer by Sharing Seminars – focusing on LOTOTO

A full program of events is planned for 2024 starting off with 2 webinars concerning isolation and lock off or LOTOTO.

22% of fatalities in the industry are as a result of contact with moving machinery and are frequently associated with maintenance activities and a failure to correctly isolate all sources of energy.



LOTOTO is a perennial topic and we should never become complacent. The title of the webinars is appropriate; 'Do not disrespect LOTOTO'. The sessions will be delivered by MPA Associate Member Reece Safety who have considerable expertise in this field and are well known across the mineral products sector.

The workshops are free and count towards CPD, certificates will be issued to all attendees. They will be held on **31st January – 10am and 14 March – 2pm** and will be approximately 1 hour in length. The webinar aims to reinforce the critical need for LOTOTO and to challenge participants to reflect on how simple actions with a humble padlock can save lives.

Register using the links below, please circulate amongst your colleagues and employees.
Wednesday 31st January 2024 @ 10am

<https://attendee.gotowebinar.com/register/539735300921948763>

Thursday 14th March 2024 @ 2pm

<https://attendee.gotowebinar.com/register/6639353021823263834>

In addition, there will be a MPA Safety Day at Tarmac's pioneering National Skills and Safety Park on **11th April** that will include a wide variety of topics including Fatal 6 topics presented by experts in the field.

Full details including how to register will be released in due course and places will be limited to around 100. In the meantime, do not hesitate to contact colin.mew@mineralproducts.org if you have any queries or require more information.

5. Safer and Healthier by Leadership, (SHbL)

A full calendar of this popular workshop is planned for 2024. These highly regarded workshops have already been attended by over 500 industry professionals. Feedback from all sizes of organisations and industry sectors within the mineral products industry has been extremely positive. An organisation can elect to either have a company-specific workshop which is tailored to their employee's needs or to send individuals on an open workshop where they will be participating with their peers from other companies.

Feedback from delegates is overwhelmingly positive typified by one who said *"The workshop far outweighed my expectations and was extremely useful. I personally found a lot*



of value in the mix of people participating and the many open discussions where we learnt from other people's experiences and models of working"

This year we will be running 4, 1-day Open workshops:

- **22 February**, MPA Offices, 297 Euston Road London.
- **9 May**, MPA Offices, Glenfield, Leicestershire.
- **11 September**, venue tbc
- **13 November**, venue tbc

Members are reminded that in-house workshops can be run for individual organisations. The maximum number of delegates on the workshops is 12 people regardless of whether they are open or in-house so as to maximise tutor time and provide individuals the best experience.

The workshop is fully accredited by IOSH and delegates receive the IOSH 'Leading Safely' certificate on successful completion.

Workshops will be advertised via normal channels closer to the time. However if you want to reserve a place on a specific workshop or discuss running an in house workshop please contact colin.mew@mineralproducts.org

6. Respirable Crystalline Silica (RCS)

There has been considerable focus on real time monitoring of dust in the workplace recently. The potential benefits of real time monitoring devices were emphasized by a number of stakeholders, including MPA, in a report "Improving Silicosis Outcomes in the UK" published in January 2023 by an All Party Parliamentary Group for Respiratory Health.

Several different types of real-time monitoring device now exist in the market. Developments in sensor technology and miniaturization of electronics mean that devices, which were previously only available to research establishments and specialist consultants, are now more accessible as a tool for general use by industrial hygienists and health and safety experts in industry. They are smaller, lighter, more robust, more affordable and they are easier to use and maintain.

Real time monitoring devices can complement more traditional (8 hr TWA, pump and filter) monitoring regimes by providing valuable additional information on sources of airborne dust and factors that may influence peaks of exposure.



The MPA Fatal 6 RCS working group is currently facilitating trials of real time personal dust monitors in the workplace to evaluate their benefits and draft a protocol for their use.

Some possible uses of the devices where there are advantages over traditional gravimetric sampling include;

- As a means of visualising exposure over a sample period. For example, you may identify an individual or task where exposures are historically high. Using real time monitoring could help identify ‘spikes’ in exposure levels indicating investigation required.
- As personal alarms to warn the wearer of high levels of dust
- As training aids to show employees graphically the effects of control vs lack of control
- Identify emission sources
- Identify fault situations

Field trials using equipment (XD1+ personal monitor) loaned to MPA by Trolex are well underway and will continue until late Spring. The trials are being conducted in accordance with a protocol developed by the MPA working group that includes data collection and more subjective assessment that will be useful in final evaluation.

7. Struck by moving or falling object

Launch of the Code of Practice – Safe Stressing of Prestressed Concrete Products. The Code of Practice (COP) is a revision of the 2014 COP that set the standard for safe stressing. The potential for serious injury or fatality due to breaking wires in particular is a serious hazard in the prestressed concrete sector.

HSE collaborated with MPA to produce the revised COP and added a foreword to the document adding that;

‘HSE encourages and welcomes industry codes of practice such as this produced by MPA Precast, which receive careful consideration and input from key players within the industry who have the health, safety and welfare of those involved in prestressing work foremost in their mind.’

Asif Khalil is Chair of the MPA Precast & Masonry H&S Steering Group and had this to say at the launch:

“...Stressing of precast is a high-risk activity and if it goes wrong could lead to a serious injury or a fatality. We have seen a number of incidents in the past but with



the work of the industry working together and sharing best practice, improvements have been made to reduce these.

This CoP has been produced to communicate good practice in managing the health and safety requirements prestress activity. It also gives guidance on the operational processes around, planning, equipment and training.

The CoP applies to all with prestress activity on their sites. It's a guide which we should continually refer to and improve our processes. I encourage this document to be shared at all levels from Managers, Supervisors to Operatives'.

A limited number of hard copies were printed, additional copies are available to download free here [MPA Precast - COP Prestressed DIGITAL.pdf \(safequarry.com\)](#)

8. Road Traffic Accidents

November saw the launch of the 4th Edition of the [MPA Driver's Handbook](#)

Driving and operating LGVs is one of the most potentially hazardous activities that people undertake. Road Traffic Accidents is one of 'The Fatal 6', with over 50% of the lost time incidents reported to MPA involving our drivers, sadly including a number of fatal incidents.

Designed for easy reference, the handbook has been developed by the members of the Mineral Products Association (MPA) Transport Committee and Health and Safety Committee, as a tool for working drivers to help them understand and manage the risks that they face and create when driving and operating vehicles for work. With over 100 pages of practical advice, it will help people make safer choices about the way they drive and behave around vehicles and outlines what is required of a driver in terms of their, vehicle, journey and driving behaviours. In addition, it deals with emergency situations and gives practical advice on what to do to help keep safe from avoidable harm.

Dave Hart, Chairman of the MPA Transport Group and Supply Chain Director – Cemex UK & France North said:

"I am delighted to share the updated MPA Driver Handbook which has been reviewed and refreshed by the MPA Transport Committee. The Handbook – available in hard copy or digitally - is a guidance document to help understand and manage risks faced when driving and operating vehicles and to avoid preventable incidents and injuries to yourself and other people when driving for work. The handbook has been



refreshed with the latest Highway Code changes and will help ensure compliance with statutory duties in respect of safe driving and work practices.

Driving and operating vehicles is one of the most hazardous activities that we undertake, and the purpose of this Handbook is to provide guidance on what is required of a driver in terms of the vehicle, journey and driving behaviours and to be used in your organisations driving for work policies and procedures. Finally, thanks to the MPA Transport Committee for their support in producing the updated Handbook which is integral to improving road safety.”

MPA considers this to be a significant publication and members are asked to promote it within their own fleets and beyond so that all relevant drivers in the supply chain are covered. Sample copies have been sent to producer members and subsequent orders will be handled by david.yelland@mineralproducts.org. The handbook will continue to play a major role in MPQC’s SSA course for drivers and will be accessible via MP Connect. (The recently updated MPA Car and Van Handbook is also available by the same means).

Watch out very soon also for a new collaboration, and associated opportunities and benefits for members, with ‘Driving for Better Business’ a Government-backed National Highways programme to help employers in both the private and public sectors reduce work-related road risk, control the associated costs and improve compliance with current legislation and guidance.

Health and Safety Statistics

Leading Indicators



LEADING INDICATORS

Vision Zero - updated annually

DATA COLLECTION RATE for Leading Indicators - COMPANIES 85% MPA GB; 54% MPANI; GB EMPLOYEES 17619 (91%); MPANI EMPLOYEES 4994 (87%)

As at December 2022

The Fatal 5:

1. Completed an Isolation Audit based on QNLAC/equivalent in past 3 years - **83.5% of sites reported (+60 sites*)**
2. Implemented the Action Plan - **1882 sites - 96.9% of those carried out (+26 sites*)**
3. 5 member organisations requiring Drivers to hold a relevant skills/competency card **80.0% Yes (+1.7%)**
4. 5 member organisations requiring Contractors to hold a relevant skills/competency card **73.8% Yes (+0.2%)**

Recognition:

7. 5 full member organisations who have put forward 1 or more entries to MPA/SP H&S awards - **2022 - 16.8%** - (2021 - 16.8%; 2020 - N/A; 2019 - 10.7%)

Healthier Workplaces:

10. 5 member organisations reporting the presence of an Occupational Health screening programme for employees - **85.1% (+0.9%)**
11. 5 member organisations who carry out personal exposure monitoring for RCS according to a routine programme - **90.2% (+0.3%)**



LEADING INDICATORS

Vision Zero - updated quarterly

Leadership:


5. "Safer & Healthier through Leadership" or equivalent attendees during past 5 years - **336 (+57 on 5 years to '22)**
6. % operational members who have senior managers attended - **2023 - 17%** ('22 - 16%; '21 - 18%; '20 - 13%)

Forward Measurement:

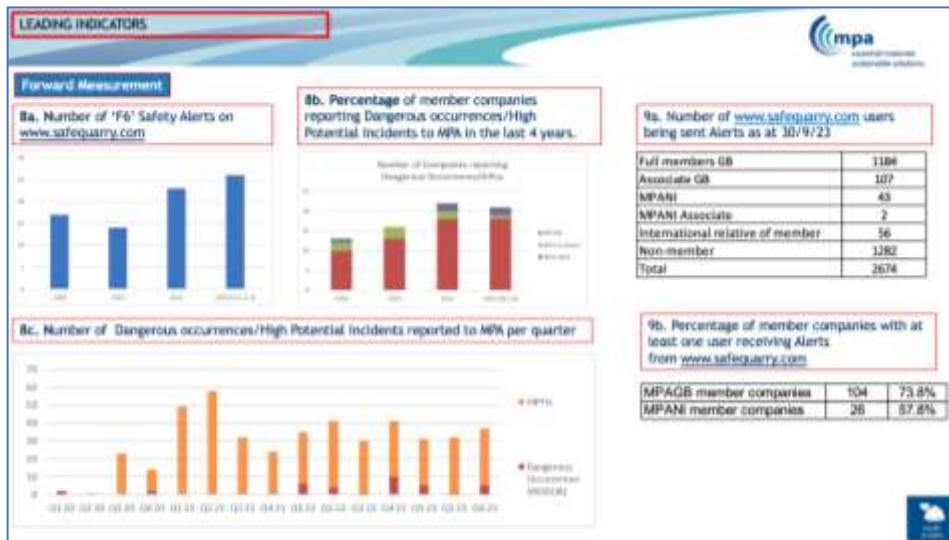
8. Number of 'F6' Safety Alerts on www.safequarry.com - **See next Slide - Indicator extended**
9. Number of MPA members actively using www.safequarry.com - **See Next Slide - Indicator extended**

Engagement:

12. % (full) member organisations participating in MPA Health & Safety related events
MPA GB 24% ; MPANI 9%
(2022 MPA GB 44% ; MPANI 9%) (2021 Overall = 41%)




QUARTERLY HEALTH AND SAFETY BULLETIN



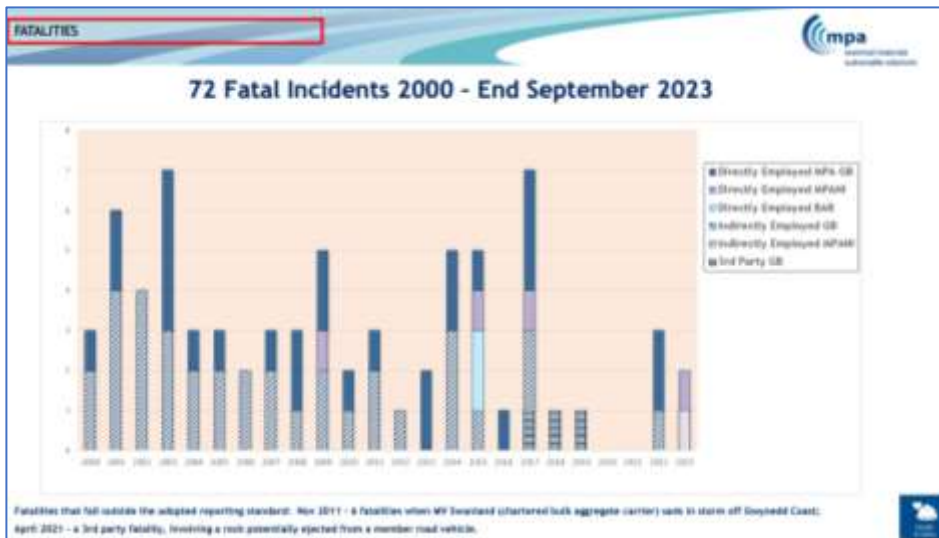
Comment: Leading Indicators were introduced in 2020 as part of MPA’s Vision Zero. We now have three years of data collected which covers about 85% of MPA GB companies and 93% of MPA GB employees. Recently as requested by the Health and Safety Committee and in line with Board emphasis on sharing important information about incidents, the leading indicators have been extended to more clearly illustrate member engagement with this process.

The statistics indicate good engagement with ‘the Fatal Six’ the presence of Occupational health Screening schemes and RCS exposure monitoring. But there remains considerable room for improvement in terms of the number of members sharing information relating to incidents and participation with Safequarry

Fatal Incidents



QUARTERLY HEALTH AND SAFETY BULLETIN



Comment: The statistics now show the concerning increase in fatalities through 2022 and 2023 after two years during which MPA members were fatality free. As commented earlier The Board consider that the focus should remain on [Vision Zero](#) and the elimination of incidents relating to 'the Fatal Six' and that a key way in which members can help one another to avoid more serious incidents is through the sharing of incident alerts and Hipo's.

For more information and any support you may require please contact: Colin.mew@mineralproducts.org or Chris.leese@mineralproducts.org

Hard Target 1 - Lost Time Incident Frequency Rate



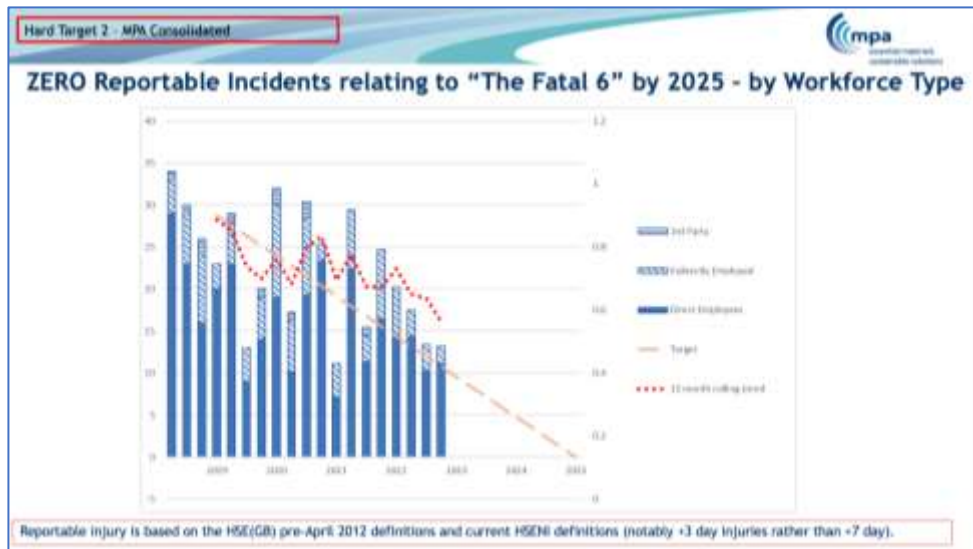


Comment: The overall Lost Time Injury Frequency Rate (LTIFR) is expressed as the number of lost time injuries per million hours worked. MPA Members set themselves a Hard Target to reduce LTIFR to below 1.5 by 2025. In Q3 of 2022, the LTIFR dropped below 3 for the first time after a year of consistent reduction. However, the statistics show an upward trend to date and the Hard Target appears unlikely to be met.

The rise in LTIFR in Q3 of 2023 appears to have been primarily driven by a rise in lost time injuries in the Precast sector. MPA has conducted a deep dive into the data to help Members understand where the issues may lie and industry experts who make up the Precast H&S Steering Group are fully engaged in the process. In summary, the statistics show significantly higher LTIFR in Architectural, Structural and Flooring. In all cases 'slips, trip and falls on the level' and 'handling, lifting, carrying' together with 'hit fixed object' account for >50% of LTIs.

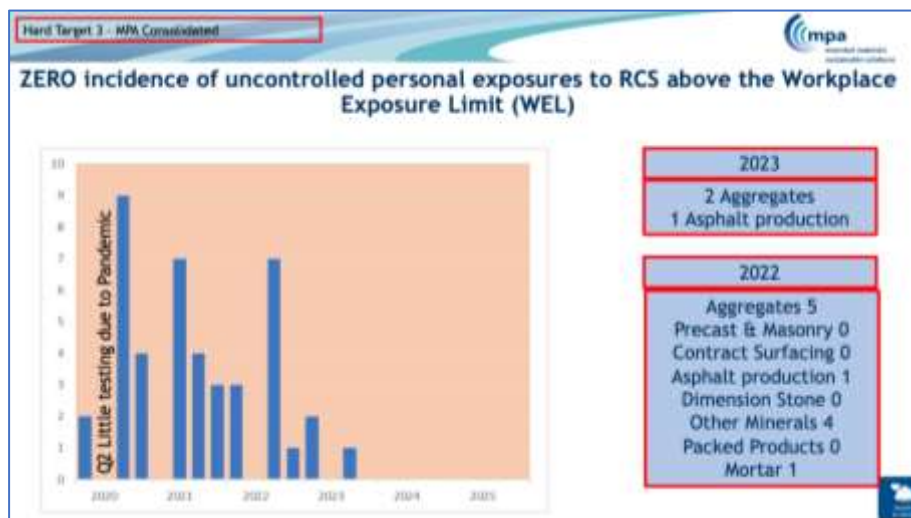
Hard Target 2 - Zero reportable incidents relating to 'the Fatal 6' by 2025





Comment: Here the statistics show a definite downward trend that is close to the projected 'glide path' to zero. This represents a significant achievement and is a good measure of the efforts of Members to eliminate the causes of the most serious incidents that we know lead to serious injury and death.

Hard Target 3 – Respirable Crystalline Silica



Comment: No cases of uncontrolled exposure to RCS above the WEL this quarter.



QUARTERLY HEALTH AND SAFETY BULLETIN



END

