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OK TEDI NATIONAL MINE SAFETY WEEK PROGRAM REPORT

April 30th – 05th May 2023

Summary

OK Tedi in collaboration with its Business Partners planned and delivered the National Mine Safety Week from the 30th of April – 05th of May 2023. This event occurred throughout its operational work sites which included the Mine, Mill, Tabubil, Bige, Kuinga and Port Moresby.

Our recent fatal light-vehicle (LV) incident at the start of the year, and trending safety concerns surrounding “Mobile Equipment Interaction” which stemmed from PNG Mines as well as lessons learnt from similar incidents at international mine sites, the theme in focus for the National Mine Safety Week for 2023 was on “Light Vehicle and Mobile Equipment Safety”.

In addition, the practical outcome from this event also aligns to the International Council of Metal and Minerals (ICMM) efforts in their drive to reduce and eliminate fatalities where the main attributed major hazard activity to fatalities was “Mobile Equipment Interaction”.

The 6-day week program was held to provide an opportunity to raise awareness and reinforce understanding on the importance of “Light Vehicle and Mobile Equipment Safety” with particular focus on the key controls for this major hazard through targeted programs, activities, and topics of discussion.

This was further amplified in the opening remark by the OK Tedi MD and CEO Kedi Ilimbit where a 13-minute video presentation which was made available online for OTML and Business Partner employees to watch and share at the prestart meetings. In the video, Kedi highlighted the importance of Mobile Equipment Safety, including other key safety messages around safety behaviours, leadership accountability and responsibilities.

Whilst the program was held across OK Tedi, there were site specific, and risk based tailored programs in place to suit the risk profile of the operational work areas and groups including the Business Partners.

Program, activities, and topics of discussion included:

- Use of the Major Hazard Checklists available to inspect and validate key controls for vehicle interaction and sub-activities.
- Prestart checks on equipment and vehicles, plus reporting of defective equipment / vehicle parts,
- Emphasis of the safe driving program and observation and interaction (O&I) process and tool to encourage safe driving behaviours.
- Compliance blitz exercise to enforce compliance to road safety and traffic rules.
- Driver fitness, through topic discussions and fitness exercise / challenges.
- Simulator challenge to assess driver competency and skills.
- Deployment of online Journey Management Plan to familiarise risks with travel on roads.
- Engagement of key stakeholders e.g., MVIL, Road Authority Board to increase road safety awareness to workers and public.
- Quiz, competitions, challenges around the theme to heighten individual awareness of performance expectations regarding vehicle interactions.

Information packages which included infographics, videos and supporting materials were made available and accessed via the OK Tedi Intranet platform for the employees, and an external portal for the Business Partners.

Overall, the operation found the 6-day program to be engaging and informative through the range of discussion topics, programs and activities held. The combined prestart meetings and discussion-led topics by the leadership team allowed invaluable sharing and learnings to lower vehicle interaction risk profile for the company.

Key Activities and Learnings

Fun Run Event

As an inaugural activity to the National Mine Safety Week Program, a fun run event was held in Tabubil, Kuinga, Bige, and POM on the 30th of April. A total of 956 OTML and Business Partner employees with their families participated in this event as an initiative to promote health and wellbeing of the workers.

Other Fitness activities were also conducted at the workplace for those that could not attend the fun run event which included fitness warm-ups, exercises and walk around activities at the various workplaces.

Participants for the Tabubil fun run event

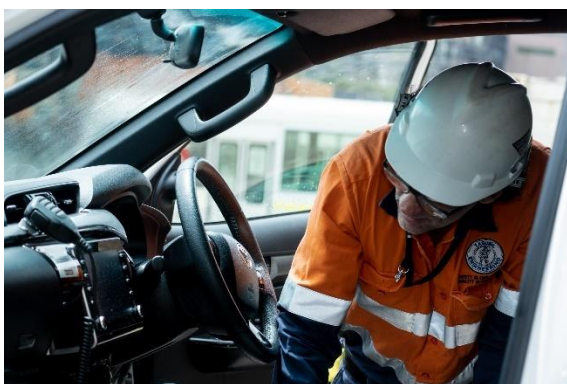


Inspections of Major Hazard & Key Control

The implementation and effectiveness of key controls for this major hazard was reinforced during the week using the Major Hazard & Key Control Checklists for 'Mobile Equipment Interaction' and 'Travel on Highway' as a key activity for Day 2 of the program.

This activity saw workgroups out in the field using the checklist to review key controls in place for drivers, operation of vehicles and travel on highway. Key learnings were discussed at prestart meetings, and findings from reports recorded in the safety reporting system (INX InControl). Some of the positive findings were compliance to prestart checks, trained and competent drivers, and understanding to road site rules. Areas of improvement were around traffic management enforcement, valid permits for drivers, and construction of windrows and berms to separate light vehicles from heavy vehicle operations. Actions were recorded for follow up.

Inspections on Light Vehicle and Mobile Equipment



Compliance Blitz

OK Tedi uses the Demerit Point System which is a program that encourages safe and responsible driving through the issue of demerit points to drivers if the driver commits a driving offence or breaches road rules.

The program was enforced throughout the week by the Asset Protection Department and the local Police through the set-up of roadblocks and spot checks on OTML, Business Partners, Private Vehicles, and buses during the week in Tabubil, Helsinki, Bige and Kiunga. Traffic Infringement Notice (TINS) were also issued for traffic offences and vehicle defects on PMVs / private motor vehicles by the local Police.

From reports received, 22 demerit points were issued to OTML and Business Partner drivers, and 8 infringement notices amounting to K2,800.00 fines issued to private vehicles and PMV buses. A positive initiative to enforce fit for purpose vehicles and compliance to road rules.

Community and Key Stakeholder Engagement

OK Tedi has a duty to fulfill its community obligation and as such, several programs were held to engage the community and key stakeholders during the week.

- (1) A sub-committee comprising of the OK Tedi Women's Network (OWN), Safety and Engineering Department conducted visits to schools from Mine, Tabubil and Kiunga to raise awareness on road safety to the children. A range of activities including drawing, poem and essay competition were also held to engage the children and heighten their awareness on the safety topic. Presentation of the awards to the winners of the competition held from 16th – 19th May at the schools.

School visits to talk on road safety with SES and PITA (OK Tedi Mascot)



- (2) Travel on the Tabubil-Kuinga and Mine-Mill-Tabubil highway is considered a high-risk activity due to the long-distance travel, varying types of vehicles on the road, changing road conditions, high speeds, and at-risk driving behaviours from public motor vehicle drivers. To support this, two sessions were conducted in Tabubil and Kiunga for the public motor vehicle and bus drivers. The topics covered in the sessions included general safety rules along the highway and Convoy Procedures. A total of over 200 public motor vehicle and bus drivers attended these sessions that was run by Safety Department, Asset Protection Department, Police, and the Road Transport Board Authority. Welcomed feedback was received from the drivers and willingness to support the company to ensure road safety for all.
- (3) As a key stakeholder OK Tedi was privileged to have the Motor Vehicle Insurance Limited (MVIL) team onsite to present on the recent changes to the MVIL regulations. The team visited the Mine, Mill, Tabubil, Kuinga, and Bige areas and covered topics around 3rd party insurance, licensing, road traffic rules.

Motor Vehicle Insurance Limited (MIVIL) presentation to employees



- (4) A key highlight for the Port Moresby Office was the engagement of the Road Transportation Authority (RTA) at their meeting to present the topic 'Unsafe driving behaviours that causes Road Accident Casualties'. The presentation was insightful and relevant especially with driving in a high speed and high traffic city environment.

Simulator Challenge

Using the theme “Operate for Reliability” the Mine Simulator challenge used Operator Performance Analytics to select high performing operators who were selected based on set scenario criteria. The intention of the challenge was to reinforce good operating techniques for safe production and was held in a fun environment via the simulator. Close to a 100 people passed through the simulator over the two-day event. The top five winners were identified, announced, and awarded.

The same concept was also applied with the Light Vehicle Simulator challenge hosted at the Tabubil Training Centre where a total of 29 registered participants (permitted and non-permitted licenced drivers) underwent a 45-minute drive around the “Tabubil Town” in set-up scenario. Start up, park up, brake failures, and driving errors were some of the criteria selected and assessed against. Individuals with the lowest scored errors selected as winners and awarded.

[Operators participating in the Mine simulator challenge](#)



Emergency Response Drill

The effectiveness of an Emergency Response plan is assessed through an emergency drill / exercise and feedback assessment. A workplace emergency scenario of a person stuck on an elevated work platform (EWP) with the ground control not working was put to test by the Major Projects team and ERT personnel.

The event result was the successful retrieval of the stranded employee within the EWP by the Fire Rescue officer elevated on a secondary EWP and rescuing the injured person by lowering them to the ground and then into the ambulance. Key learnings such as effective communication between the personnel, training and competency of the ERT personnel, quick responses time, and patient condition management were observed during this drill.

Workplace emergency drill of rescuing a person stuck on elevated EWP



Readi Watch Fatigue Management Trial

Day 3 of the program was around 'Driver Fitness' with a focus on *Fatigue* which is one of the top 3 contributing factors to the Light Vehicle and Mobile Equipment incidents at OK Tedi in the last 2 years. Discussion around more reliable and effective controls and measures were explored during the week including the Readi fatigue watch system, which can be attributed as a 'game changer' to predicting, intervening, and managing fatigue for operators and drivers. Information sessions on the 3-month trial for the Mine Operators and High-Risk Drivers were communicated as part of Management of Change (MOC) process during the week. Milum, one of OK Tedi Business Partners, were the first group to initiate and launch this trial with its Truck operators/drivers.

In line with this concept Major Projects also supplied Fit Bit watches to its drivers and operators. The aim was to monitor the amount of sleep hours and the readings were recorded from the 3rd - 5th May 2023 with operator or driver with the most sleep rewarded.

Conclusion

With such a large focus across the whole of OK Tedi, it would follow that during these types of events there would be challenges experienced by the various teams and sites undertaking the program.

This ranged from operational work required to continue for the operating plant (Mill, Mine and Kiunga), remote location challenges (KM59 and KM121), Business Partner Tabubil Development Corporation overseeing its 32 sub-contractors, and of course varying day/night shifts with rostered crews and panels.

Despite these challenges, the Leadership Team managed to engage and coordinate personnel and activities to ensure continuity of program during the week. Reward and recognition programs were also held to thank the participants of the successful program.

The wrap up included site debrief feedback received from varying sites / participating groups and leaders of the program which will be reviewed internally for improvements.

The overall intent of the 6-day program was to increase Light Vehicle and Mobile Equipment Safety awareness via concentrated focus and understanding behaviour related concepts around the safety theme. This was achieved and successfully delivered through active and increased participation from the workgroups throughout the National Mine Safety Week.

With the participation of our employees, Business Partners, and the community, we have provided the platform for continued knowledge and a sense of ownership to the theme.