

CASE STUDY BBV | Overturned Tipper Wagon – 01/10/2020

Introduction

Following an incident which occurred on 1st October 2020, where a tipper wagon fell onto its side whilst discharging fill material, during the construction of the approach embankment for the new Lake End Road, newly constructed overbridge.

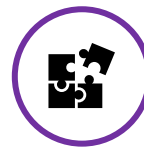
Following this incident the project commissioned an independent investigation and review of the causations on this incident and previous overturns to identify trends and put in place an action plan to eliminate further incidents.



Overview

The project set about a full review and put into place a strategy based on the following three themes:-

- ✓ Improving planning and safe system of work
- ✓ Increasing hazard perception
- ✓ Prototyping behaviours



Challenges

How do we prevent another item of plant overturning on the project?

- Delivery of training to large numbers of personnel during the Covid 19 pandemic
- Improve engagement of personnel on hazard perception and awareness

"I've attended this morning the "Putting people to work safely" BBV internal training. Dai William did a fantastic job presenting us the information. He allocated plenty of time to everyone to interact and understand the message. I strongly believe the training had a strong positive impact on everyone present."





Action Taken

Planning and safe systems of work

- Introduction of enhanced setting to work training for supervisors
- Additional specific on site training covering plant familiarisation including use on ramps/inclines and pre-use checks

Hazard Perception

- Ongoing training of staff to improve their understanding of hazards and how they can be controlled, using 4D modelling to improve hazard perception <https://bbv-sm4rt-j3-j12.vids.io/videos/069ddeb31e17ebc68f/lake-accident-1-mp4>
- Introduction of Engage for Safety briefings – to improve engagement with personnel and improve their knowledge of on-site risk/hazards and control measures

Behaviours

- Expanded the behavioural safety programme on the project, with each operational team attending to discuss how their actions can affect others behaviours and how you can drive safe behaviours, lead by Project Director

Results



- Enhanced planning of operations
- Improved briefing quality/delivery by supervisors
- Increased competency levels of plant operators and supervisors
- Hazard awareness maximised
- Improved behaviours following extensive programme roll out



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home
safe
and well

