

Unwanted vehicle interactions

**NSW
Resources
Regulator**

Heading in the wrong DIRECTION

Small Mines Safety Roadshow

February – April 2022



WARNING

The following presentation contains images and video of real incidents

It may cause distress to some individuals.

Quick recap!

We have already been through a review of how the sector performed regarding our assessment of roads and other vehicle operating areas earlier today.

We also had a close look at the trending vehicle roll over incidents.

We have discussed the benefits of having a detailed TMP as well as road, ramp and intersection design standards which consider where possible separating light from heavy vehicles and pedestrians from all vehicles amongst other things.

So what are we trying to avoid?



Reporting data tells us

One of the biggest safety threats continues to be heavy vehicles coming into contact with light vehicles or pedestrians.



Figure 1 Light vehicle rollover on mine rehabilitation

Frequently seen:

- Poorly designed Operating Environment
- Plant not fit for purpose
- **Inexperienced poorly trained workers**
- Fatigue
- Distractions from personal devices.

Training and competence of workers.

Question?

- Does your safety management system include a documented training and competence procedure?
- Has it been implemented?
- Do you have a theory component which teaches the trainee about site procedures, your TMP, vehicle characteristics?
- Do you log supervised and unsupervised hours of training for trainees on mobile plant?
- Do you formally assess a trainee to deem them competent?

Verification of competence of workers, Contractors

- How do you ensure contractors are competent?
- Certificates
- Training logs
- Assessment
- Maintenance of competence
- Declarations from employer.

Double click in this space to add the name of your mine and/or logo here

13

Form 13E: Verification of competency assessment (mobile plant)

Any person who is required to operate an item of plant or equipment at our mine site must demonstrate that they are competent to do so before they are permitted to operate the item of plant or equipment.

NOTE: The person who performs the below checks must be competent in and familiar with the operation of the item before they can complete the plant or equipment operator competency verification checklist.

Plant type (eg loader, excavator):	
Plant make (eg, Hitachi, Kobelco):	
Operator name:	
Operator company:	
Date of competency check:	

The following details must be checked and verified by a nominated competent person.

		Yes	No	N/A
1.	Is a high-risk licence required to operate this item of plant/equipment? (Forklift, EWP>11m, Cranes, etc)?			
2.	a. If yes, is the operator able to produce a current/valid copy of the licence?			
3.	Does the operator hold an existing licence or current certificate of competency for the plant/equipment? (which there is no longer a high-risk work licence required e.g. load shifting)			
4.	Is the licence or certificate of competency appropriate for that item of plant/equipment?			
	a. Licence / certificate type?			
	b. Licence / certificate number?			
5.	Is the operator authorised to use this item of plant/equipment?			

13 Contractor health and safety
management

Approver:

Date:

Program 13

Lets put it all together!

- If you have a PHMP for ROVOA that documents the basics such as layout and design of pit roads, ramps and intersections;
- A TMP which sets out traffic flow, vehicle speed and right of way and pos comms rules;
- Plant and vehicle inspection & maintenance;
- Workers trained & competent to operate plant in the work environment;
- Effective supervision of the mining operation;
- Controls are monitored & maintained.

We can avoid this!



**Now let's look at what happens when we
get it wrong!**

It's still happening!

Recent Incidents



Failure to park vehicle safely



Failure to use positive communication

Recent Incidents



Failure to observe hazard



Failure to use positive communication

Near Hit incidents



Light vehicle driver failed to see haul truck



Light vehicle driver failed to see haul truck

Near Hit incidents



Worker struck by light vehicle at quarry

24 May 2021



Quarry roll over



Quarry roll over



Let's get it right!

Questions and group discussion.

THANK YOU