

VEHICLE INTERACTIONS

Heading in the WRONG DIRECTION

NSW Metalliferous Mines

NSW RESOURCES REGULATOR INSPECTORS

May 2021



WARNING

The following presentation contains images and video of real incidents which may cause distress to individuals.



Why are we here?

In the last **12 months** in NSW metalliferous mines there have been:

30 surface vehicle incidents

(This is only what has been reported to the NSW Resources Regulator)

Why are we here?

We have to turn this around

We are conducting 267 presentation over four weeks

We want you to **go home safe** each day



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



What would it feel like?

A fully loaded:

- CAT 793 dump truck weighs **390t** and travelling at just **30kph** has the same energy or force as a Landcruiser Wagon travelling at **342kph**
- CAT 785 dump truck weighs **250t** and travelling at just **30kph** has the same energy or force as a Landcruiser Wagon travelling at **273kph**
- EPIROC MT60 dump truck weighs **104t** and travelling at just **15kph** has the same energy or force as a Landcruiser Wagon travelling at **89kph**
- CAT AD/AE 45 dump truck weighs **85t** and travelling at just **15kph** has the same energy or force as a Landcruiser Wagon travelling at **80kph**

What would it feel like being hit by a Landcruiser wagon travelling at these speeds?



89kph



15kph



342kph



30kph



NSW open cut coal fatality, 2013

What are we seeing?

Workers not following site procedures

- ✘ Not using positive communication
- ✘ Failing to follow site road rules
- ✘ Failing to observe hazards in their work area
- ✘ Not driving to conditions
- ✘ Vehicle visibility not maintained (i.e. windscreen, window, mirrors not cleaned)
- ✘ Lack of caution at intersections

Work Health and Safety Act 2011

Section 28 Duties of workers (this means you!)

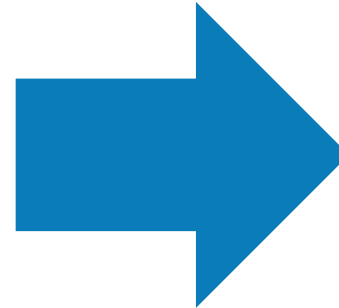
While at work, a worker must:

- a) take reasonable care for his or her own health and safety, and
- b) take reasonable care that his or her acts or omissions do not adversely affect the health and safety of other persons, and
- c) comply, so far as the worker is reasonably able, with any reasonable instruction that is given by the person conducting the business or undertaking to allow the person to comply with this Act, and
- d) co-operate with any reasonable policy or procedure of the person conducting the business or undertaking relating to health or safety at the workplace that has been notified to workers.

Technology does not replace you

Sites have invested a lot of time and money to manage the risk, but this doesn't cancel your obligations:

- Proximity detection
- Reversing cameras
- GPS systems
- Equipment warning alarms
- Speed monitoring
- Pre-start meeting information
- Other emerging technologies



None of this technology will stop an incident if you don't:

- Use pos comms
- Drive to conditions
- Clean your window
- Look behind when reversing
- Other safe practices that **RELY ON YOU**

What can you do?

- Do not accept poor standards or behaviour
 - **SPEAK UP**
- If you can't see - **STOP**
- Not sure of, or unable to follow the rules
 - **STOP & ASK**
- If procedures are not appropriate
 - **REPORT**



What can you do?

- If you're unsure about a task – **STOP & ASK**
- If equipment is not fit for purpose – **STAND IT DOWN**
- Safe production – **DON'T RUSH**
- If you have not been trained – **TELL YOUR SUPERVISOR**



What we can do – our powers

- Notices of Concern to the mine
- Improvement Notices on the mine
- Prohibition notices on the mine
- Prohibition notice on **YOU**

If we reasonably believe you are risking your health and safety or the health and safety of others, we can prohibit you from operating equipment in NSW mines

In summary

- If you think it can't happen to you, then you are wrong
- **YOU** have a duty of care, under the Law
- Everyone has a role in a safe workplace
- No-one should accept unsafe practices or behaviour

Thank you