

Fact sheet

Principal hazard – ROVOA – collision of vehicle or mobile plant

August 2024



The Resources Regulator has developed a broad-brush risk assessment and a program of bowties to review principal hazard and control plan topics.

The bowtie program identified the material unwanted events (MUE) and critical controls to prevent serious injury or death of mine workers.

The bowtie for the principal hazard topic of roads or other vehicle operating areas (ROVOA) identified 3 MUEs and the critical controls for assessment programs. This fact sheet provides information related to the assessment program focussing on the MUE – collision of vehicle or mobile plant on mine sites.

Principal hazard – roads or other vehicle operating areas

MUE – collision of vehicles or mobile plant

MUE critical controls

The Regulator’s assessment program will focus on the following critical controls to prevent a collision of vehicles or mobile plant on mine sites:

- Mine (vehicle operating areas) design (layout and construction).
- Separation or segregation (of vehicles).
- Operators giving way to other vehicles (as per road rules).
- Equipment is operated within design limits.
- Operator is able to identify and anticipate other vehicle movement.



Considerations

Mine operators should consider the MUEs above as a minimum and ensure that critical controls reviews to prevent serious injury or death is included within the site principal hazard management plans and associated documentation.

The Regulator publishes guidance material on our website about best practice management of collision of vehicles or mobile plant on mine sites.

The Regulator’s information resources on mining vehicle interactions can be found [online](#).

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Other relevant safety alerts and bulletins and information published by the Resources Regulator:

DATE PUBLISHED	REFERENCE	TITLE
July 2024	Safety bulletin	<u>Safety bulletin SB24-03 Overtaking or passing equipment in mining areas</u>
July 2024	Safety alert	<u>Safety alert SA24-02 Vehicle interaction in an underground mine</u>
28 March 2024	YouTube Video	<u>Reducing adverse vehicle interactions</u>
March 2024	Safety bulletin	<u>Safety bulletin SB240-1 Bulldozer incident increase</u>
September 2023	Compliance priority report	<u>ROVOA stage 1 – dumps and excavation areas – Surface coal mines</u>
July 2023	Discussion paper	<u>Vehicle interaction controls in NSW mines</u>
6 March 2023	Collision Avoidance Forum	<u>Forum presentations</u>

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