

# Fact sheet

## Control plan – mechanical engineering control plan – object falling

April 2025

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

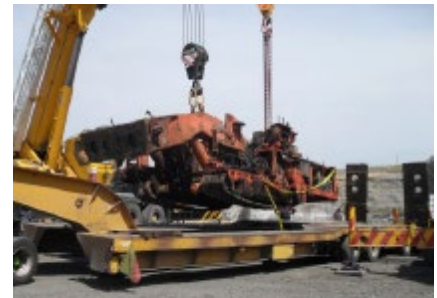
The bowtie program identified the material unwanted events (MUE) and critical controls to prevent serious injury or death of mine workers.

The bowtie for the mechanical engineering control plan (MECP) identified 6 MUEs and the critical controls for assessment programs. This fact sheet provides information related to the assessment program focussing on the MUE – object falling.

## Control plan – mechanical engineering control plan

### MUE – object falling

### MUE critical controls



The Regulator's assessment program will focus on the following critical controls to prevent serious injury or death caused by objects falling:

- Engineered lifting equipment operated within limits.
- Correct lifting practices.
- Dropped object containment devices.
- Dropped object arrest systems.
- Dropped object retention systems.
- Falling object protection/deflection.
- People removed from high-risk areas (exclusion zones).
- Provision of effective isolation, energy dissipation and verification.

# Fact sheet – Mechanical engineering control plan – object falling

## Considerations

Mine operators should consider the material unwanted events above as a minimum and ensure that the review of critical controls to prevent serious injury or death is included within the site mechanical engineering control plan and associated documentation.

Other relevant safety alerts, safety bulletins and safety information resources published by the Resources Regulator or SafeWork NSW:

Date published	Reference	Title
October 2024	Safety alert	<a href="#"><u>Safety alert SA24-04 Haul truck rear strut injures worker</u></a>
July 2024	Safety bulletin	<a href="#"><u>Safety bulletin SB24-04 Large number of hand and finger injuries reported</u></a>
December 2023	Safety alert	<a href="#"><u>Safety alert SA23-07 Haul truck engine module narrowly misses workers</u></a>
October 2023	Safety bulletin	<a href="#"><u>Safety bulletin SB23-08 Haul truck front strut removes poses risks to workers</u></a>
February 2023	NSW code of practice	<a href="#"><u>Code of practice – Mechanical engineering control plan</u></a>
December 2022	NSW code of practice SafeWork NSW	<a href="#"><u>Code of practice – Managing the risks of plant in the workplace</u></a>
December 2022	Safety bulletin	<a href="#"><u>Safety bulletin SB22-14 Dangerous lifting equipment incidents increase</u></a>
October 2022	Investigation report	<a href="#"><u>Investigation report: Dangerous incident involving a worker at Attunga Limestone Mine</u></a>
October 2022	Safety alert	<a href="#"><u>Safety alert SA22-04 Dangers of lifting and pulling activities revealed</u></a>
February 2021	Investigation information release	<a href="#"><u>Investigation information release IIR21-02 Drift winder head sheave pulley wheel falls from height during winder rope removal</u></a>
June 2020	Investigation report	<a href="https://www.resources.nsw.gov.au/sites/default/files/documents/iir-appin-drift-winder-dangerous-incident_f.pdf"><u>https://www.resources.nsw.gov.au/sites/default/files/documents/iir-appin-drift-winder-dangerous-incident_f.pdf</u></a>
February 2019	NSW code of practice	<a href="#"><u>Code of practice – Mine shafts and winding systems</u></a>
November 2018	Investigation information release	<a href="https://www.resources.nsw.gov.au/sites/default/files/documents/iir18-11-worker-fatally-injured-when-tyre-falls.pdf"><u>https://www.resources.nsw.gov.au/sites/default/files/documents/iir18-11-worker-fatally-injured-when-tyre-falls.pdf</u></a>

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