

# Weekly incident summary

## Week ending 28 July 2024

This incident summary provides information on reportable incidents and safety advice for the NSW mining industry. To report an incident to the NSW Resources Regulator: phone 1300 814 609 24 hours a day, 7 days a week.

### At a glance


High level summary of emerging trends and our recommendations to operators.

Type	Number
Reportable incident total	43
Summarised incident total	3


### Summarised incidents

Incident type	Summary	Comments to industry
Dangerous incident IncNot0047312 Underground coal mine	<p>While shunting to allow other vehicles to pass, the operator of a load haul dump unit (LHD) raised the quick detach system (QDS) kibble to a sufficient height to clear other equipment in the cut-through that he was shunting in. This cut-through had a high roof.</p> <p>Once the other vehicles were cleared, the operator drove out of the cut-through and turned outbye on the travel road.</p> <p>The operator did not lower the QDS kibble.</p> <p>As a result, the inbye edge of the kibble (furthest from the LHD) hit several items hung from the roof of the travel road - including 2 6.6 kV cables, one 1 kV cable and several roof bolts.</p> <p>One of the 6.6 kV cables experienced a phase-phase fault, causing the 6.6 kV protection to trip on short circuit. The mine has determined that the fault protections settings for the 6.6 kV</p>	<p>Mine operators must ensure that the operation has a robust electrical fault protection study completed by a competent electrical engineer.</p> <p>Systems must be in place to ensure that the protection study is implemented and maintained.</p> <p>Cables must also be installed as per the site standards.</p> <p>Mine workers must ensure that loaded vehicles are always driven with the load as close to the ground as reasonably practicable.</p> <p>Workers must also remain situationally aware to ensure hazards are identified and controlled.</p>

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	<p>cable were incorrect and were lowered to more than half the original setting.</p> <p>On inspection of the cable, it was suspected that the heat generated from the arc fault ignited the internal tar or insulation of the cable.</p> <p>The flame was described as being like a 'candle'.</p> <p>There was no excessive buildup of material on top of the cable that otherwise could have combusted.</p> 	
<p>Dangerous Incident IncNot 0047306 Underground coal mine</p>	<p>The mine was conducting annual high voltage maintenance on one of the 66-11 kV switchyards with 2 contract companies assisting. The switch yard contained dual 10 MVA 66/11 kV transformers and the switch room contained an 11 kV Merlin Gerin MC set. One of the jobs required was to inspect, test and maintain the 11 kV MC set.</p> <p>As part of the inspection of outlet number 2 cell and circuit breaker, one of the contractors was inspecting and cleaning the line side and load side spouts in the cell. When he touched the load side spout, he received an electric shock.</p> <p>The contract electrician was treated at the incident scene and the electric shock procedure was followed. The contract electrician was transported to the first aid facility and held under observation until the ambulance arrived. A 12 point ECG was completed onsite and the contract electrician was transported to the local hospital for further monitoring and blood tests. He was later discharged as medically fit and transported back to site.</p> <p>The apparent cause was the capacitive build-up in the 300 mm<sup>2</sup> XLPE cable (UG Feeder approx</p>	<p>Mine operators must develop and implement a robust isolation procedure that considers isolation and dissipation of capacitive build-up.</p> <p>Electricians must always ensure that they are trained and competent to undertake the electrical task and are able to dissipate and test all electrical components in an electrical system that are to be worked on.</p>

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	<p>2.5 km long) connected to the load side of outlet number 2, which was discharged by the electrical contractor when he touched the load side spout to earth.</p> 	
<p>Dangerous incident IncNot0047304 Metalliferous processing plant</p>	<p>An explosion occurred in the concentrator 2 scats tunnel. The source or fuel and ignition is currently being investigated. Prior to the explosion, poly pipe joining was being conducted in the tunnel.</p> <p>Before the explosion, the workforce reported that smoke was emanating from the concentrator 2 scats tunnel. An evacuation was called and had begun, which was followed by an explosion with significant debris being ejected from the tunnel. There were no physical injuries reported.</p> <p>Until the investigation determines the cause of the incident, other tunnels in the mine's concentrators have been barricaded to prevent exposure to potential hazards.</p>	<p>An investigation is ongoing.</p>

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Note: While most incidents are reported and recorded within a week of the event, some are notified outside this time period. The incidents in this report therefore have not necessarily occurred in a one-week period. All newly recorded incidents, whatever the incident date, are reviewed by the Chief Inspector and senior staff each week. For more comprehensive statistical data refer to our annual performance measures reports.

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Document control	
ISSN	2982-1010 (Online)
CM9 reference	RDOC24/111259
Mine safety reference	ISR24-30
Date published	2 August 2024
Authorised by	Director Technical Operations Mine Safety Office of the Chief Inspector