

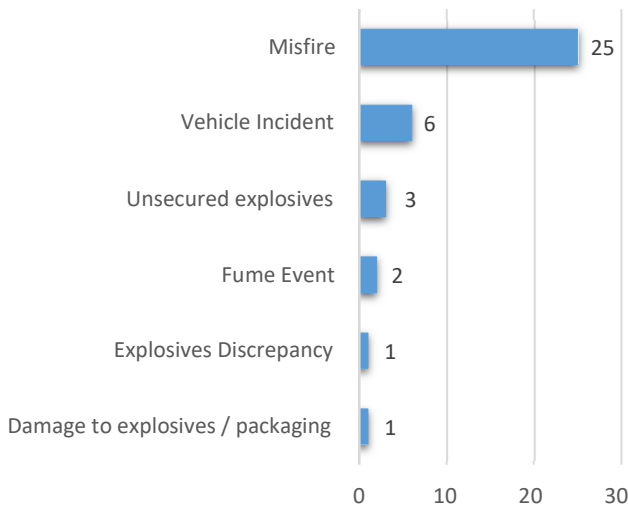


## Explosives incidents – August 2020

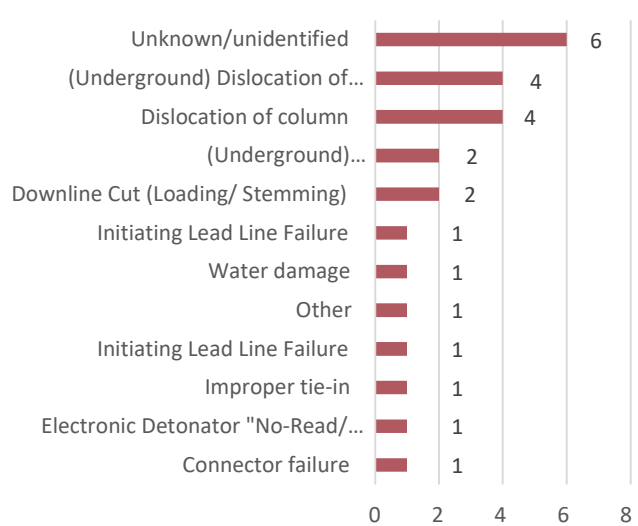
This document presents statistics for all explosives safety and security incidents reported during August 2020. It also includes a cumulative summary of all safety and security incidents for the last twelve month period. The number of injuries and fatalities occurring in the community and industry are presented for the month of August 2020, as well as the cumulative total for the financial year 2020-21.

	August 2020	Financial year to date (2020-21)
Community	0 fatality 0 injury	0 fatality 0 injury
Industry	0 fatality 0 injuries	0 fatality 0 injuries

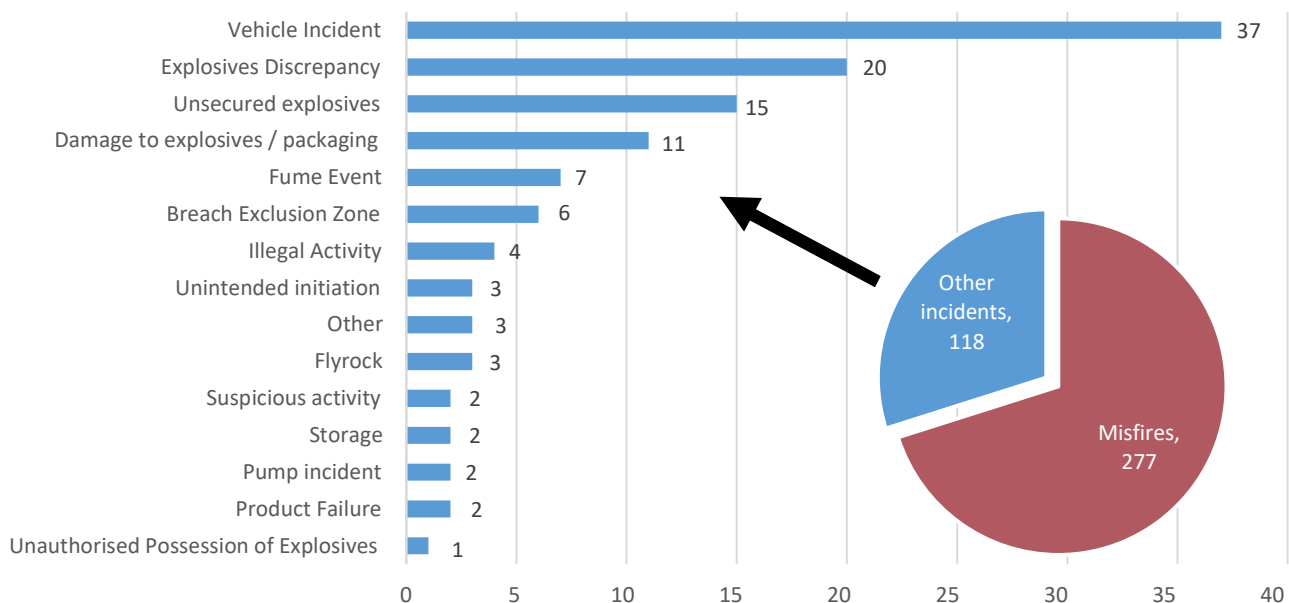
Explosives Incidents August 2020



Misfire Causes August 2020



Past year incidents August 2019 - July 2020 (118)



## Breakdown of incidents for August 2020

### Security

Description	Explosives involved	Outcome/Possible causes
<b>Explosives discrepancy (1 incident)</b>		
15 containers of cast boosters imported with inaccurate quantities on transport documentation	Blasting explosives	Accounting issue. No adverse outcomes.
<b>Unsecured Explosives (3 incidents)</b>		
OCE found gates unsecured at SSAN reload area.	SSAN	Shed/ Container/ Compound/ Magazine Not Locked. No adverse outcomes.
Operator noticed leaking butterfly valve on emulsion tank and decided to repair/replace. As a result approximately 3.5tn of emulsion 3375 class 5.1 was lost to ground.	Emulsion	Product was contained within the secured compound and was in the presence of an authorised person. No adverse outcomes.
Operator of a charge car (containing blasting explosives) has parked the vehicle and left the explosive carry boxes dummy locked and unsecured.	Blasting Explosives	A stock take was immediately conducted by senior mining representatives which found that the explosives quantities were accurate with the vehicle manifest/documentation – no discrepancies were identified. The employee was tested for drug and alcohol screening and provided a statement. No adverse outcomes.

### Safety

Description	Explosives involved	Outcome/Possible causes
<b>Misfires – aboveground (19 incidents)</b>		
Connector failure x 1 Dislocation of column x 4 Downline Cut (Loading/ Stemming) x 2 Electronic Det "No-Read/ No-Log" Explosives x 1 Improper tie-in x 1 Initiating Lead Line Failure x 2 Other/unknown x 7 Water damage x 1	Blasting explosives	No adverse outcomes
<b>Misfires – underground (6 incidents)</b>		
(Underground) Dislocation of column x 4 (Underground) Other/unknown x 2	Blasting explosives	No adverse outcomes
<b>Fume event (2 incidents)</b>		
Post Blast Cloud travelled outside predicted pathway and moved over the mine active mining area.	Blasting explosives	No injuries. No adverse outcomes.
Level 4 Fume event left lease boundary.	Blasting explosives	Shot was affected by rain event. No injuries. No adverse outcomes.
<b>Vehicle incident (6 incidents)</b>		
MPU driver observed smoke in rear view mirrors emanating from pos 3 (LHS rear) truck wheel.	Ammonium Nitrate	Vehicle bearings caused fire. Stopped vehicle and obtained fire extinguishers however did not need to discharge these on the wheel. The smoke dissipated quickly. No injuries.
An MPU travelled under the ANE tank to load the MPU with ANE and the TRAM unit hit and damaged the ANE tank and pipework.	AN Prill	The TRAM (Travel Restraint Access Module) unit on the MPU was left up after the Operator filled the AN Prill. No injuries and no loss of containment.
During unloading of a bagged import the load was unstrapped. The driver had then moved forward to the unloading point. As he travelled a 1t bag fell from the tray and was clipped by a tyre breaching the bag.	SSAN	Spillage occurred. No injuries. Unsecured load.
A Double (road train) tanker truck involved in a vehicle collision. Truck had left mine and building up speed (60kph) when an oncoming car veered into road	ANE	Seals and emulsion tanks had not been compromised. Diesel fuel leak from RHS belly fuel tank. No serious injuries reported.

train lane and side swiped the road train.		
Charge car basket has contacted Light Vehicle LHS front guard. Light vehicle contained explosives.	Blasting Explosives	No injuries. Security of explosives was not compromised. Partially blocked visibility.
Smoke resulted on Charmec charge car from a suspected short on circuit breaker within the electrical instrument panel.	Emulsion	A circuit breaker had tripped. No injuries. No adverse outcomes.