

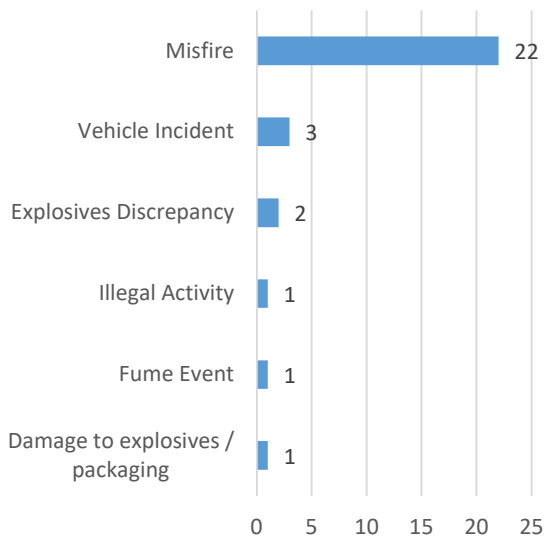


Explosives incidents – September 2020

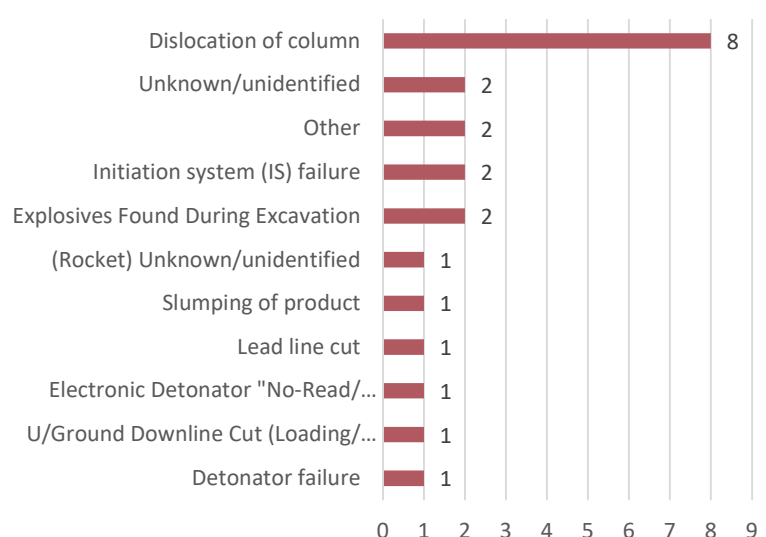
This document presents statistics for all explosives safety and security incidents reported during September 2020. It also includes a cumulative summary of all safety and security incidents for the last twelve month period. The number of injuries and fatalities occurring in the community and industry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

	September 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

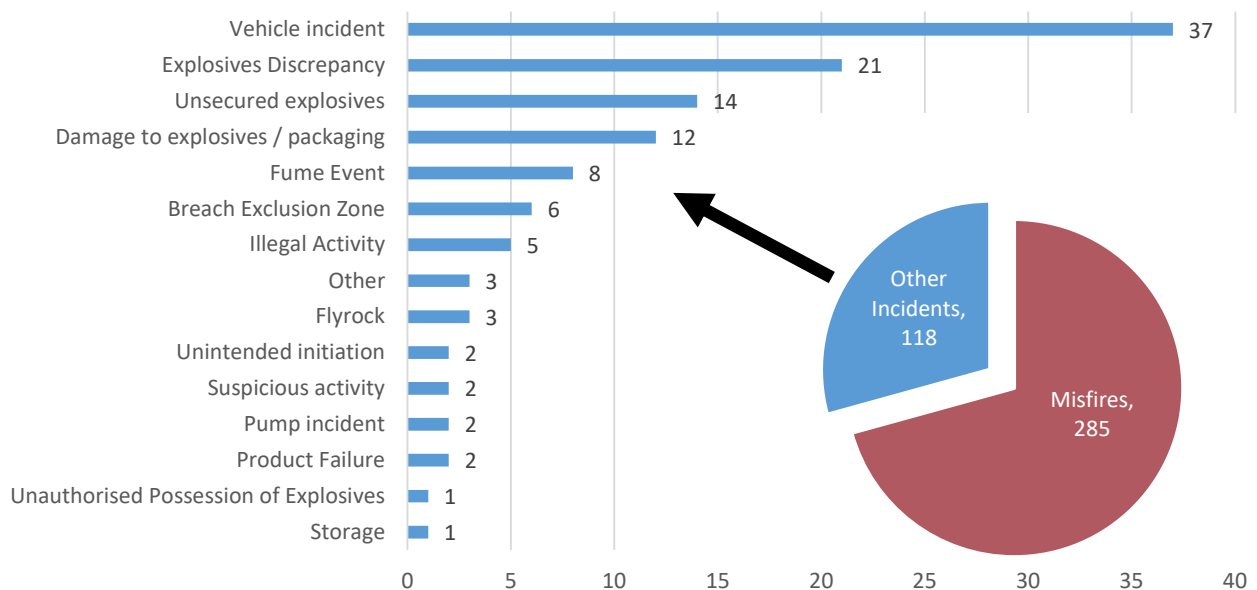
**Explosives Incidents
September 2020**



**Misfire Causes
September 2020**



Past Year Incidents August 2019 - September 2020 (118)



Breakdown of incidents for September 2020

Security

Description	Explosives involved	Outcome/Possible causes
Explosives discrepancy (2 incidents)		
Manufacturer - under supply of a single 32x200 chub to a mine site	Blasting explosives	Manufacturer provided with batch number for investigation. No adverse outcomes.
Manufacturer - under supply of a single electronic detonator to a mine site	Detonators	Manufacturer provided with batch number for investigation. No adverse outcomes.

Safety

Description	Explosives involved	Outcome/Possible causes
Misfires – aboveground (21 incidents)		
Detonator failure 1 Electronic Det "No-Read/ No-Log" 1 Lead line cut 1 Slumping of product 1 (Rocket) Unknown/unidentified 1 Explosives Found During Excavation 2 Initiation system (IS) failure 2 Other 2 Unknown/unidentified 2 Dislocation of column 8	Blasting explosives	No adverse outcomes
Misfires – underground (1 incident)		
Underground Downline Cut (Loading/Stemming) 1	Blasting explosives	No adverse outcomes
Vehicle incident (3 incidents)		
An Explosives Reserve Manager observed a naked flame on a DG tanker parked outside the reserve. closer inspection established a gas cooker being used on top of the side tank of the prime mover.	Emulsion	Driver advised to remove the gas cooker away from the vehicle. Incident report to Principal Inspector of Explosives for further investigation. No adverse outcomes.
Semi trailer was carting AN to shot pattern when trailer A axle "u bolt" failed causing the axle to turn sharply and stopping truck from moving.	Ammonium Nitrate	Lack of maintenance – axle u bolt rusted. Trailer removed from site for repairs. No adverse outcomes
The tank on an ammonium nitrate emulsion trailer distorted possibly due to a lowered internal pressure.	Ammonium Nitrate	Advised to isolate and obtain technical support from onsite blasting contractor. No adverse outcomes
Illegal Activity (1 Incident)		
Security breach (break in)	Emulsion	Incident reported to QPS and site security systems upgraded.
Fume event (1 incident)		
Seven Coal Mine Workers approximately two kilometres away from a fired shot stated they smelled something and complained of headaches and sore throats. Monitors in place did not detect any fume gases nor was a fume cloud generated by the blast. All seven were taken to hospital by mine vehicles to be examined by a doctor.	Blasting Explosives	Little evidence of NoX production. No prolonged adverse outcomes.
Damage to explosives/packaging (1 incident)		
Forklift damaged explosives packaging – found during monthly stocktake at a mine site	Blasting explosives	No adverse outcomes