

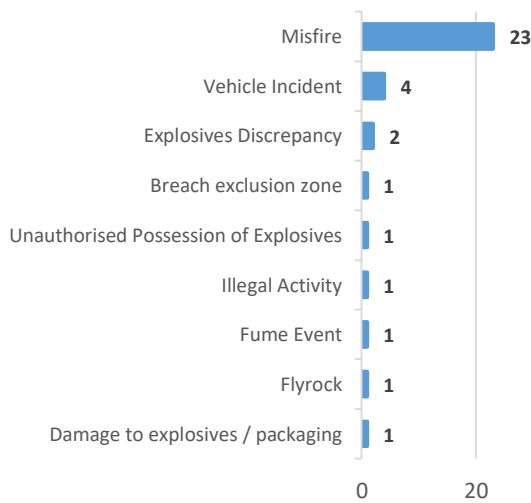


Explosives incidents – June 2020

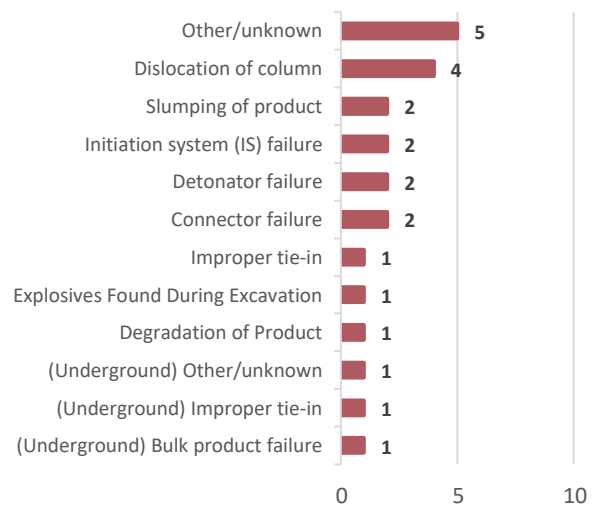
This document presents statistics for all explosives safety and security incidents reported during June 2020. It also includes a cumulative summary of all safety and security incidents for the last twelve month period. The number of injuries and fatalities occurring in the community and industry are presented for the month of June 2020, as well as the cumulative total for the financial year 2019-20.

	June 2020	Financial year to date (2019-20)
Community	0 fatality 0 injury	0 fatality 1 injury
Industry	0 fatality 0 injuries	0 fatality 2 injuries

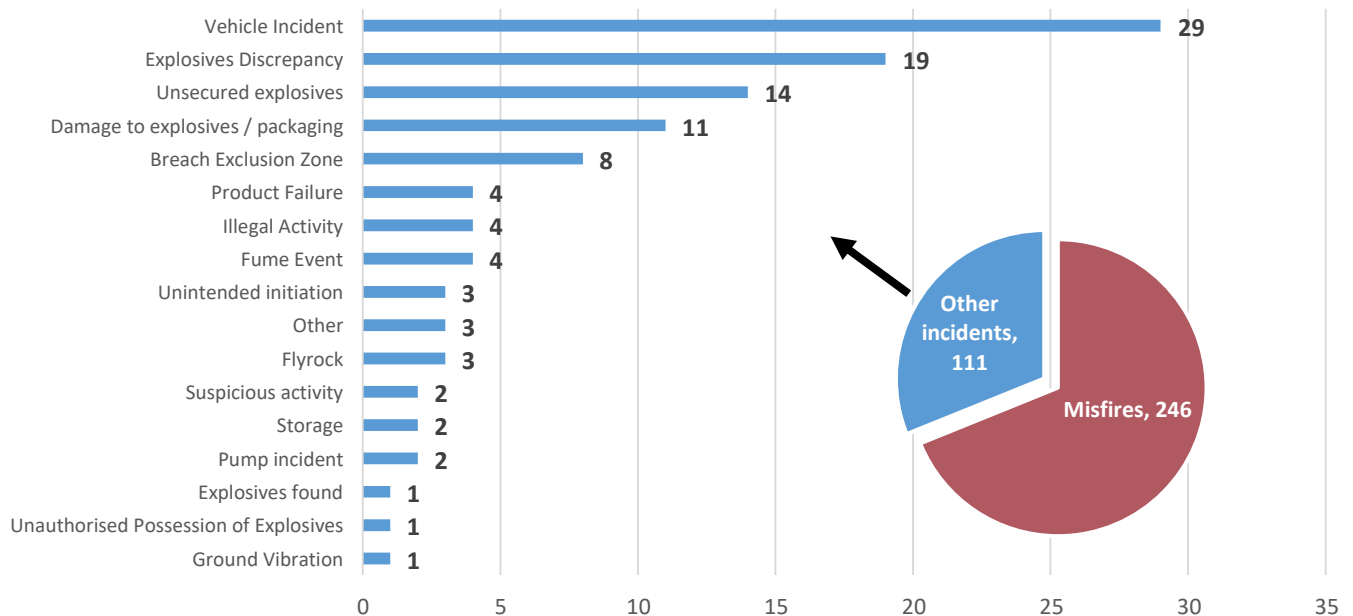
Explosives incidents June 2020



Misfire causes June 2020



Past year incidents July 2019 - June 2020 (111)



Breakdown of incidents for June 2020

Security

Description	Explosives involved	Outcome/Possible causes
Explosives discrepancy (2 incidents)		
A package of explosives has been labelled with incorrect quantity (length)	Detonators	Package labelled correctly, however extra label was added. No further discrepancy.
Explosives unaccounted for during reconciliation.	Booster	Search of magazine did not locate booster. Blast site shut down. QPS attended site. Booster likely lost down hole.

Safety

Description	Explosives involved	Outcome/Possible causes
Misfires – aboveground (20 incidents)		
Connector failure x 2 Degradation of product x 1 Detonator failure x 2 Dislocation of column x 4 Explosives found during excavation x 1 Improper tie-in x 1 Initiation system failure x 2 Other/unknown x 5 Slumping of product x 2	Blasting explosives	No adverse outcomes
Misfires – underground (3 incidents)		
Bulk product failure x 1 Improper tie-in x 1 Other/unknown x 1	Blasting explosives	No adverse outcomes
Breach exclusion zone (1 incidents)		
A vehicle has breached management zones on a mine site.	Blasting explosives	Blast guards failed to secure site. Blasting was resumed once area cleared.
Damage to explosives packaging (1 incident)		
A stemming truck has impacted and dislodged a booster at a downhole.	Blasting explosives	Booster location identified and dug under.
Flyrock (1 incident)		
Flyrock from a nearby blast has travelled outside the blast zone and impacted a vehicle.	Blasting explosives	No injuries. Damage to dragline vehicle. Face burst and overpressure likely cause.
Fume event (1 incident)		
A level 2 fume event was generated on a mine site. Fume left fume management zone.	Blasting explosives	No exposures. No unplanned evacuations.
Illegal activity (1 incident)		
Downhole primers have been impacted by backfill, however after being reprimed, the shotfirer did not tie in, or mark all leads, resulting in a misfire.	Leads and boosters	Site unable to determine which leads were fired, in addition to an incorrect explosives quantity during reconciliation (since corrected).
Unauthorised possession of explosives (1 incident)		
A number of illegal fireworks have been initiated on a public street.	Fireworks	No injuries reported.
Vehicle incident (4 incidents)		
A mobile processing unit operator has overloaded a number or presplit holes with bulk explosives.	Blasting explosives	Remediation plan implemented. Product diluted and removed where possible.
A forklift has made contact with a shipping container loaded with explosives, resulting in a spillage.	Ammonium nitrate prill	Approximately 10 tonne of product spilt. Controls put in place. Area secured and cleaned.
While charging production holes, workers have identified smoke emitting from a charge car.	Blasting explosives	Charge car shutdown and isolated. Explosives product removed. Faulty spotlight found to be cause.
Retarder on a mobile processing unit was found not working during movement down a decline.	Blasting explosives	Inspection of unit found switch that activates retarder was turned off during previous service.