

Explosives incidents

March 2020 report

This document presents statistics for all explosives safety and security incidents reported during March 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 March 2020, as well as the cumulative total for the financial year 2019-20.

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

Figure 1: Explosives incidents and complaints March 2020

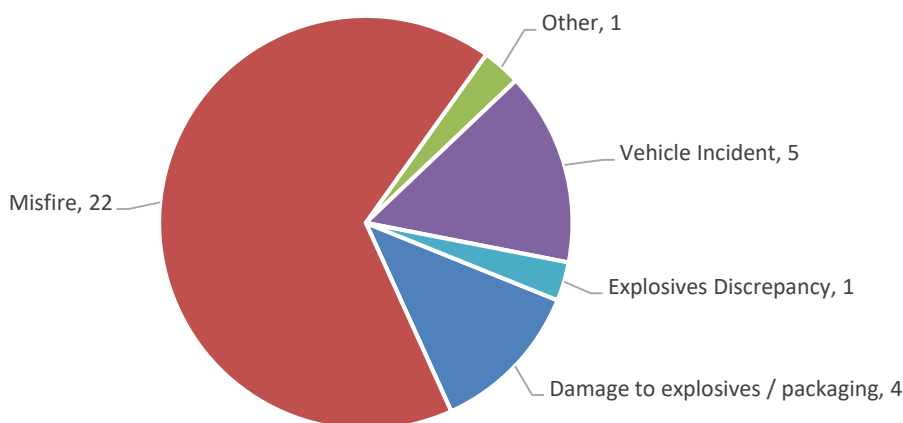


Figure 2: Breakdown of misfire causes March 2020

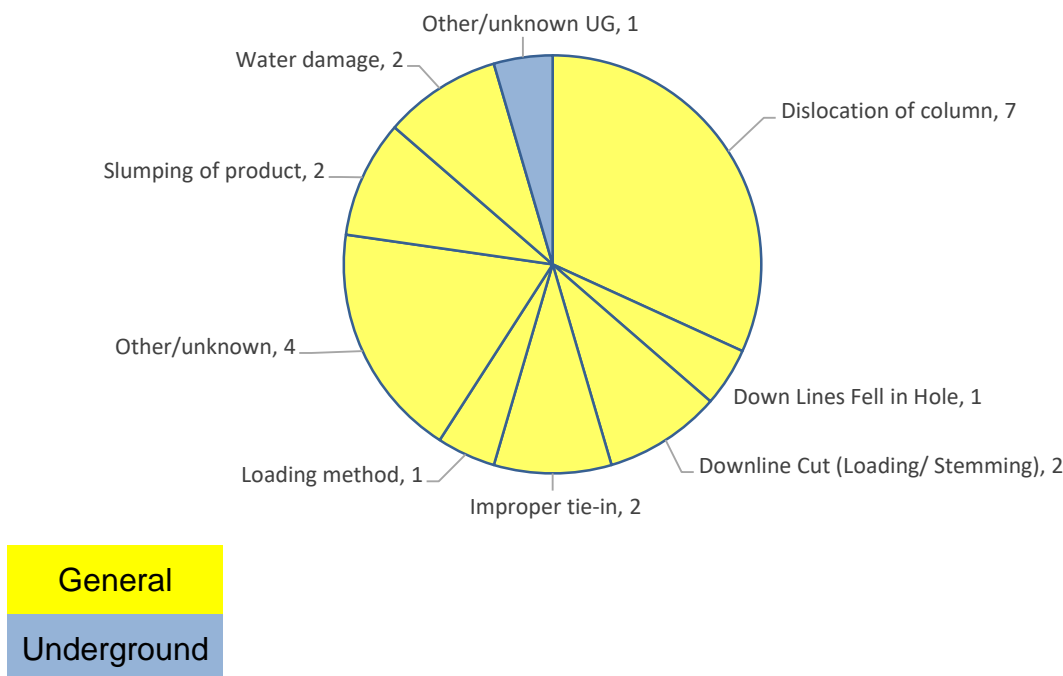
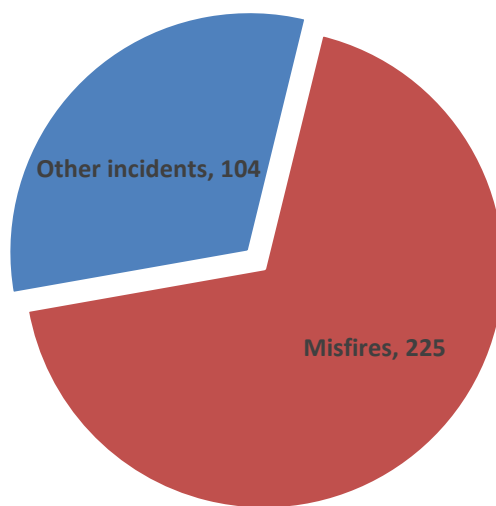
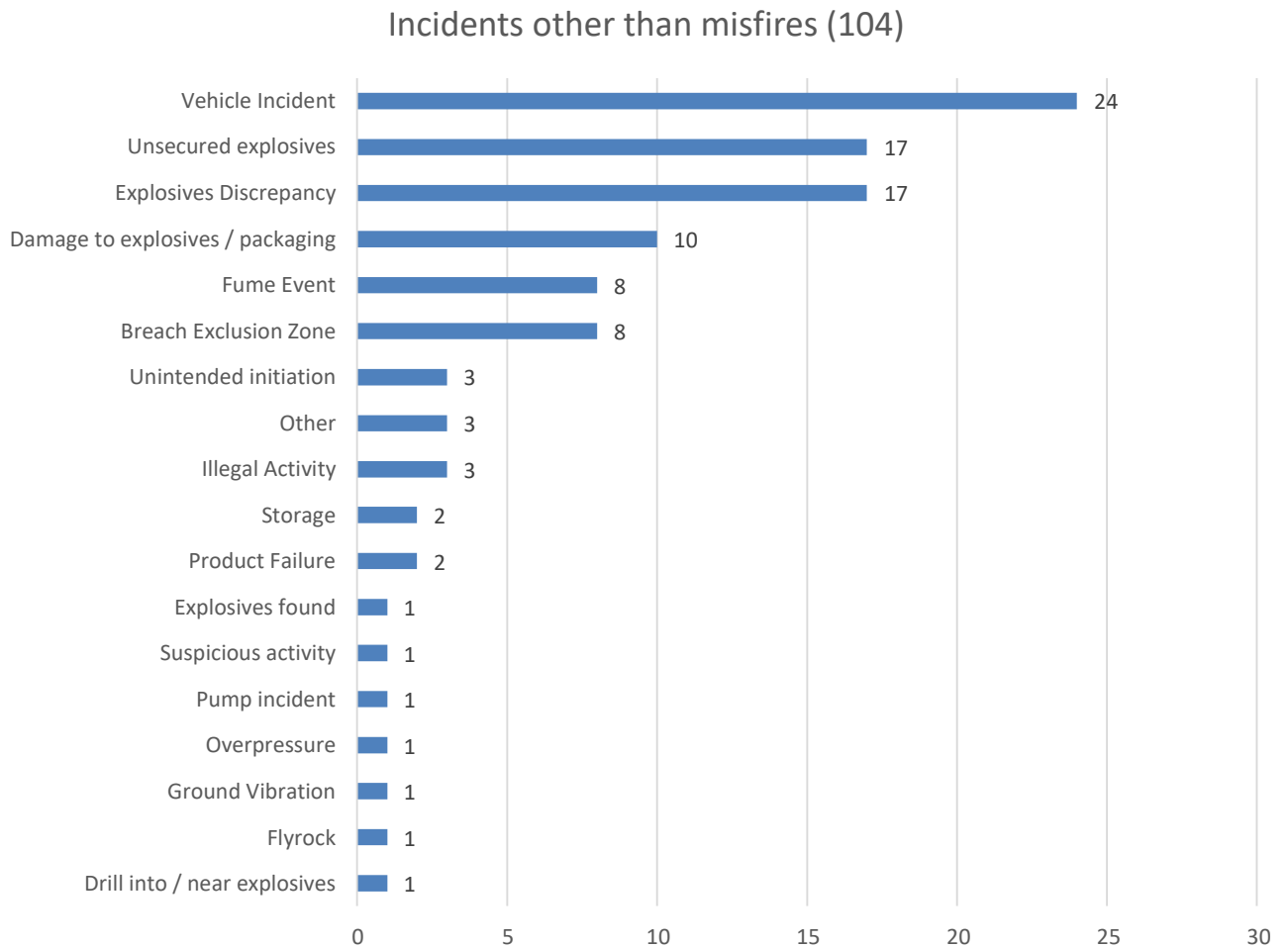


Figure 3: Past year incidents April 2019 – March 2020



Breakdown of incidents for March 2020

Security

Description	Explosives involved	Outcome/Possible causes
Explosives discrepancy (1 incident)		
Explosives left in a charge vehicle following blasting at a mine site.	Detonators and packaged explosives	Following shift discovered discrepancy. Magazine and charge car secured during investigation. 20 0594

Safety

Description	Explosives involved	Outcome/Possible causes
Misfires – aboveground (21 incidents)		
Dislocation of column x 7 Downlines fell in hole x 1 Downline cut (loading/stemming) x 2 Improper tie-in x 2 Loading method x 1 Other/unknown x 4 Slumping of product x 2 Water damage x 2	Blasting explosives	No adverse outcomes
Misfires – underground (1 incidents)		
Other/unknown x 1	Blasting explosives	No adverse outcomes
Damage to explosives/packaging (4 incidents)		
Explosives damaged during blasting on a mine site.	Booster	Downhole was primed but not loaded. During stemming top booster has been damaged by stemming material. Site advised of seriousness of incident and responsibilities for reporting
A non-electric detonator lead was discovered to have been damaged by a mobile processing unit.	Downline	Pegs and signage ineffective as on incorrect side of blast hole. Accessories positioned in vicinity of vehicle movements.
A mobile processing unit has reversed into a loaded pre-split hole.	Blasting explosives	Spotter was located at front of vehicle during movement and so unsighted. Detonating cord was impacted and lost down blast hole.
A downline has been cut by a loader prior to blasting.	Blasting explosives	Hole was misidentified as not loaded. Leads recovered and fired with production blast.
Other (1 incident)		
An explosives transit container became blocked.	SSAN	Approximately 2 tonne of explosives product affected. Affected area bunded to prevent environmental damage.
Vehicle incident (5 incident)		
A fire has occurred on a mobile processing unit.	Blasting explosives	Cause was battery cable under cab. Fire extinguished. Suppression system activated and results observed
Suspected fire on a truck carrying explosives.	SSAN	Auxillary air conditioning unit over-fueled and emitted excessive black smoke. QFES advised
A truck transporting approximately 60 tonnes of explosives has rolled over.	Ammonium nitrate prill	No injury to driver. Emergency services responded. Approximately 10 tonne of product leaked through box front hatches.
A B-double has separated from the lead trailer and prime mover of a vehicle while transporting explosives.	Ammonium nitrate prill	Spillage of product occurred. No injuries. Ring feeder included on maintenance sheet, other enhancements under consideration
The rear trailer of a B-double transporting explosives has tipped into a nearby drain.	Ammonium nitrate prill	Driver miscalculated turning circle.