

Explosives incidents

February 2020 report

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

	February 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 February 2020

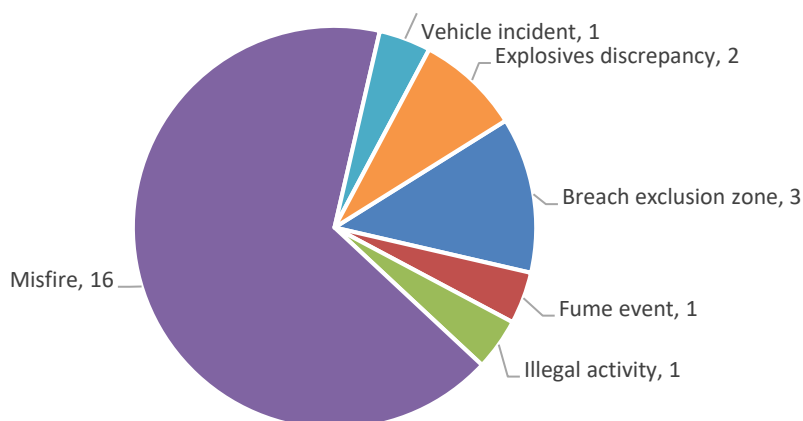
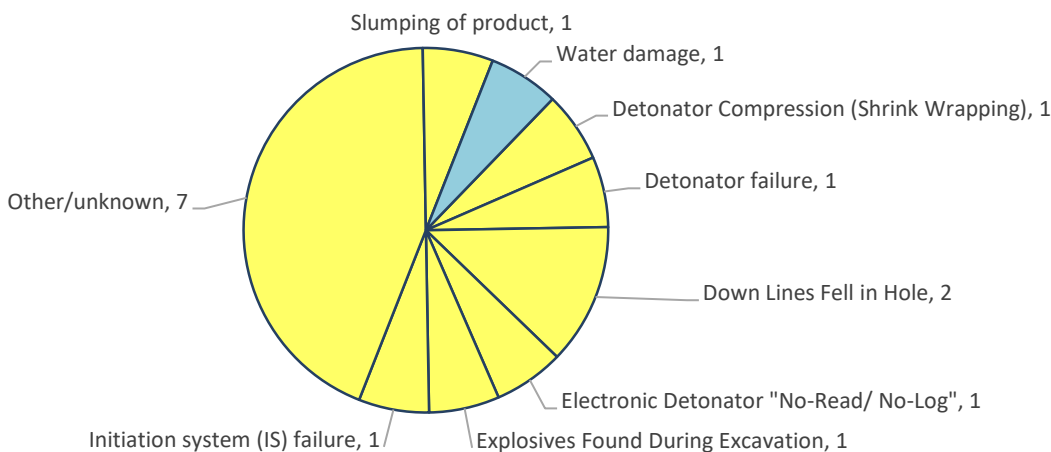


Figure 2: Breakdown of misfire causes February 2020



General
Underground

Breakdown of incidents for February 2020

Security

Description	Explosives involved	Outcome/Possible causes
Explosives discrepancy (2 incidents)		
A detonator was found to be missing after stock take of magazine.	Detonators	Missing detonator accounted for in a shot fired 3 days prior to stock take.
3 x extra boxes of explosives product incorrectly delivered to a mine site.	Detonators	Picking slip error was the cause. Site investigating.

Safety

Description	Explosives involved	Outcome/Possible causes
Misfires – aboveground (15 incidents)		
Detonator compression (shrink wrapping) x 1 Detonator failure x 1 Downlines fell in hole x 2 Electronic detonator “no-read/no-log” x 1 Explosives found during excavation x 1 Initiation system failure x 1 Other/unknown x 7 Slumping of product x 1	Blasting explosives	No adverse outcomes
Misfires – underground (1 incidents)		
Water damage x 1	Blasting explosives	No adverse outcomes
Breach exclusion zone (3 incidents)		
An excavator has inadvertently dug into an area containing misfired explosives.	Detonator and booster	Operator ceased work and survey was conducted. Hole was identified, area barricaded and shotfirer attended. Full investigation into misfire cause ongoing.
A bushfire has occurred in the vicinity of an explosives magazine.	Blasting explosives	During emergency response, the fire has breached the implemented exclusion zone. Magazine was not affected by fire.
A number of light vehicles were identified to have breached a designated fume management zone after a blast was fired.	Blasting explosives	Nil exposures.
Fume event (1 incident)		
A level 1-2 fume event generated on a mine site.	Blasting explosives	Nil exposures. Nil unplanned evacuations.
Illegal activity (1 incident)		
A theft of dummy fireworks products has occurred at a property.	Fireworks	Items held in secure storage in training area. Matter being addressed by QPS.
Vehicle incident (1 incident)		
An unplanned movement of a charge truck has occurred on a mine site. Charge truck has rolled backwards into a wall at slow speed when gearbox has failed.	Blasting explosives	No injuries occurred.