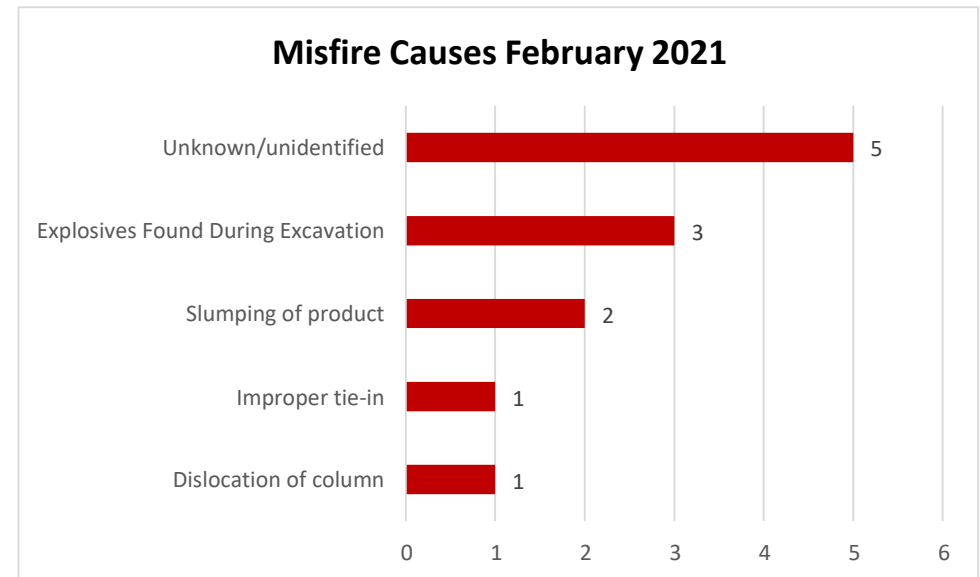
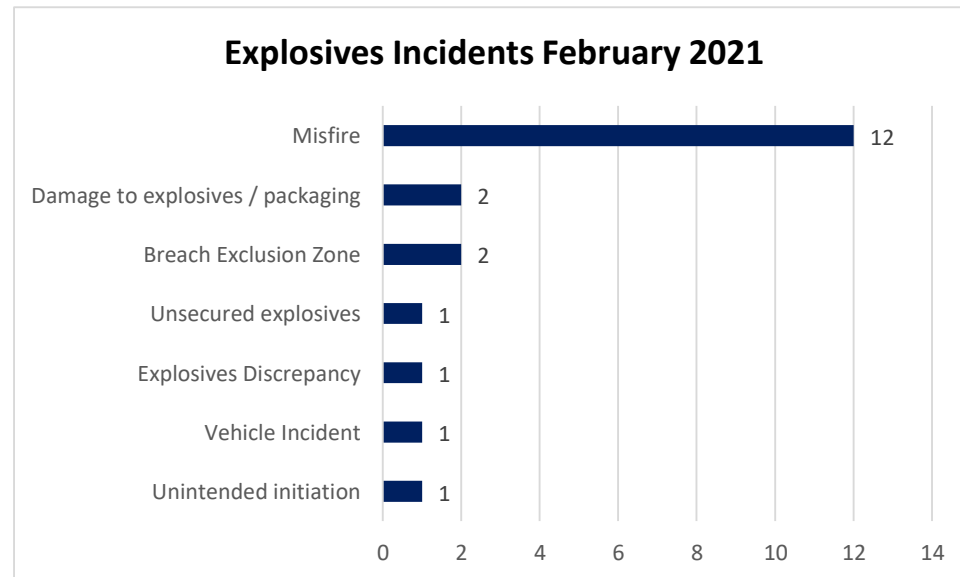




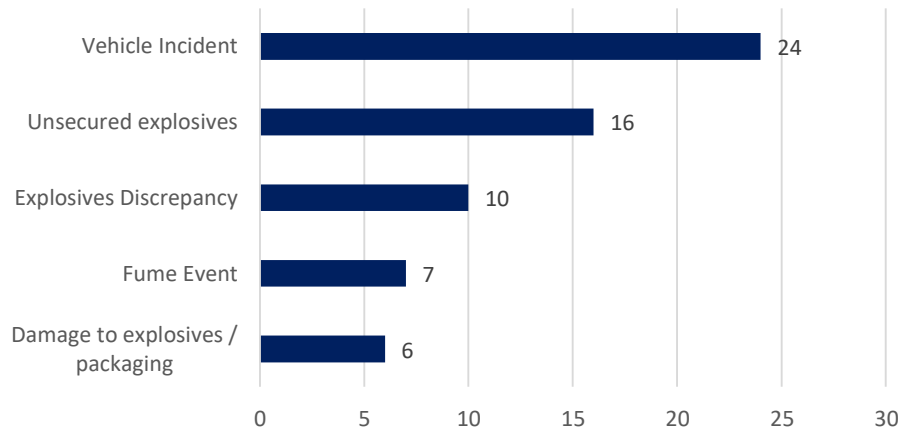
## Explosives incidents – February 2021

This document presents statistics for all explosives safety and security incidents reported during February 2021. It also includes the top 5 incidents for the current and previous financial years, plus a cumulative summary of all safety and security incidents for the last 12 months. The number of injuries and fatalities occurring in the community and industry are presented for the month of February 2021, as well as the cumulative total for the financial year 2020-21.

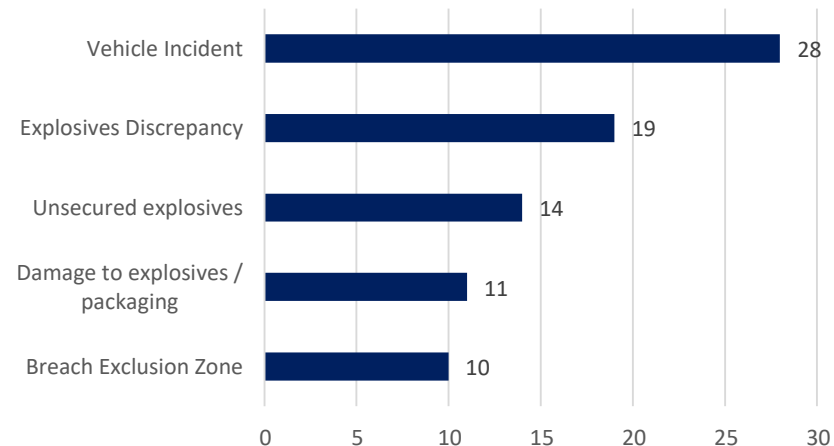
	February 2021	Financial year to date (2020-21)
Community	0 fatality 0 injury	0 fatality 0 injury
Industry	0 fatality 1 injuries	0 fatality 1 injuries



### Top 5 Most Common Incidents Excluding Misfires Jul 2020 - Feb 2021

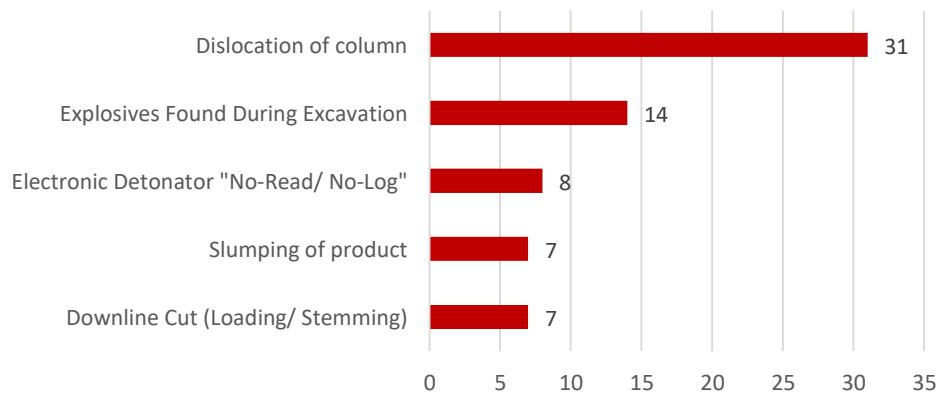


### Top 5 Most Common Incidents Excluding Misfires Jul 2019 - Jun 2020



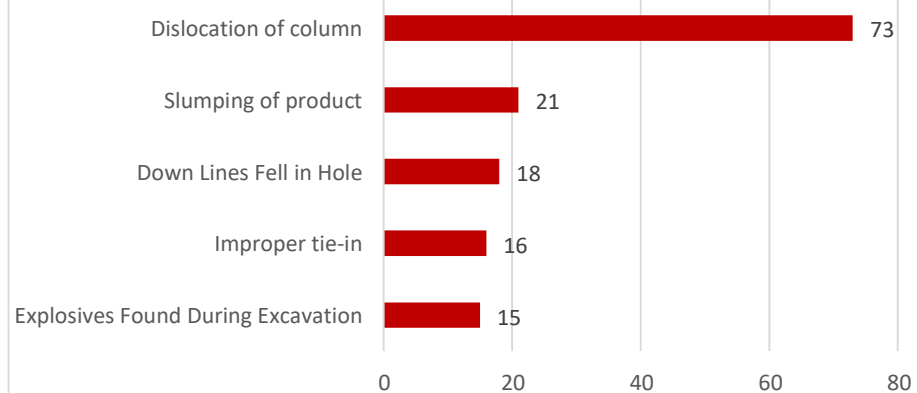
### Top 5 Most Common Reasons For Misfires Jul 2020 - Feb 2021

*Note - Unidentified and Other have been removed (44)*

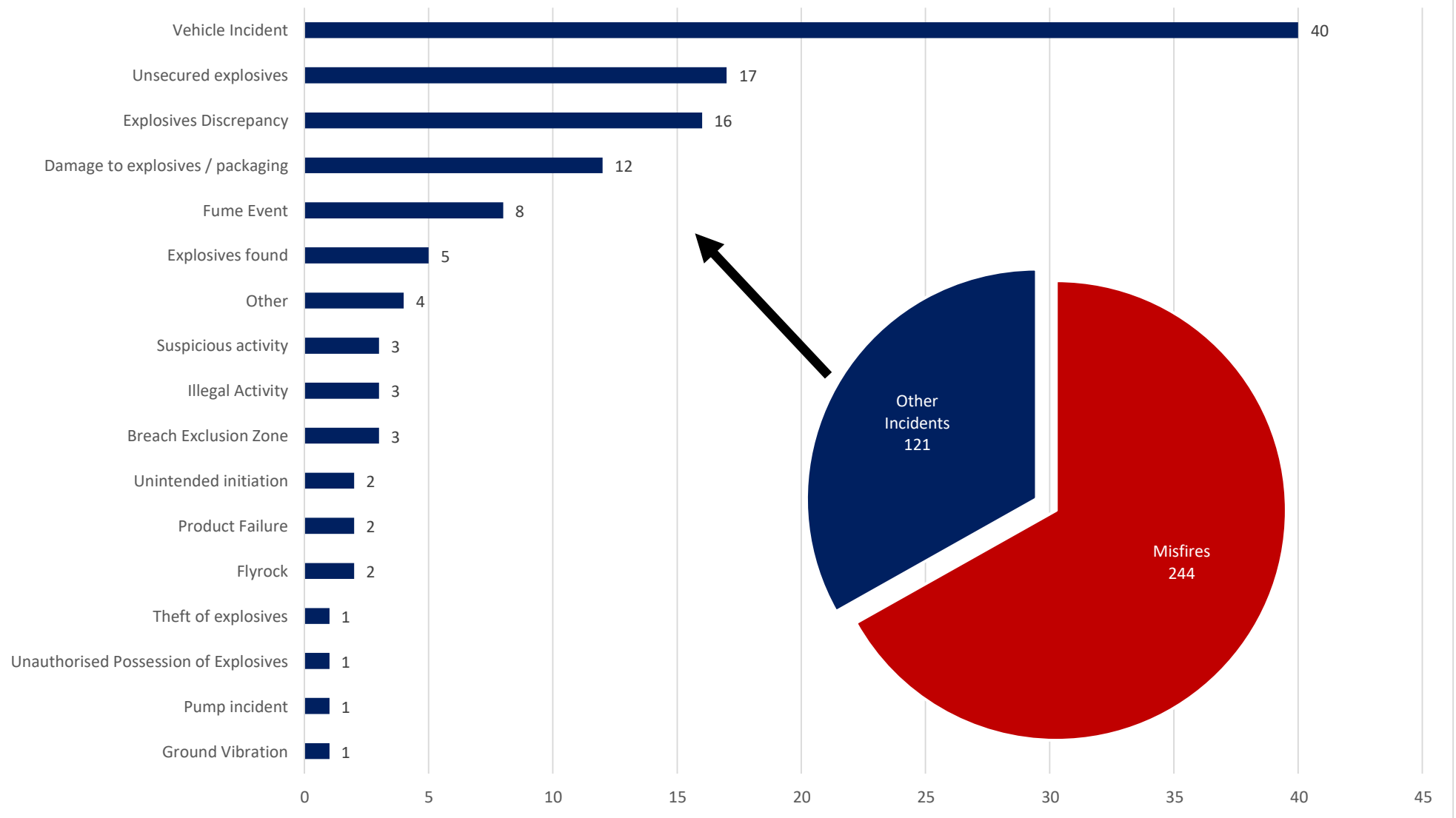


### Top 5 Most Common Reasons for Misfires Jul 2019 - Jun 2020

*Note Unidentified and Other have been removed (72)*



### Past Year Incidents March 2020 - February 2021



## Breakdown of incidents for February 2021

### Security

Problem	Action	Explosives Inspectorate Actions / Outcomes
<b>Unsecured Explosives (1 incident)</b>		
Whilst travelling on haul road the door to an explosives accessory box containing 8 boxes of boosters opened resulting in a box of boosters falling out. Box has torn on impact and boosters have spilled from box.	Boosters visually checked and returned to magazine for inspection.	No adverse outcomes.
<b>Explosives Discrepancy (1 incidents)</b>		
There was a mismatch in the reconciliation of detonators and boosters. 1 detonator and 1 booster were missing. Post blast a booster and detonator were found a few meters to the side of the back of the blast.	The blast was called off for the day and followed by over recount and search for the missing detonator and booster. The search was continued overnight by the security the shot overnight. The decision was made to fire the blast the next morning at 7:30, after which the missing detonator and booster were found.	No adverse outcomes.

### Safety

Problem	Action	Explosives Inspectorate Actions / Outcomes
<b>Misfires – aboveground (10 incidents)</b>		
<b>Dislocation of column 1</b>		
Presplit hole misfired.	Re-fired 10 minutes later	No adverse outcomes.
<b>Explosives Found During Excavation 3</b>		
Excavator operator located 4 boosters and cord and a further booster on cord when digging to prepare drill bench	Nil provided	No adverse outcomes.
Location of further product from previous incident. Product located where faulting occurring, and it is believed to be runaway product. Other product was located in the same fault area on consecutive days	Nil provided	No adverse outcomes.
Dragline operator identified product on the ground. No IE located with the product. Shot was fired on the 18/09/2019. Approximately 10kg of product located near hole.	Nil provided	No adverse outcomes.
<b>Improper tie-in 1</b>		
Control row offside to IP hole was not clipped in. Two holes initiated IP hole and one other.	Reconnected and fired successfully.	No adverse outcomes.
<b>Slumping of product 2</b>		
Hole has slumped taking downlines with it.	Recovery was attempted. Sympathetic blasting was attempted.	No adverse outcomes.
Whilst loading it was noticed a previously loaded hole had slumped causing the top detonator/booster assembly to disconnect from 18 meter down line.	Internal investigation completed.	No adverse outcomes.

<b>Unknown/unidentified 3</b>		
5kg of product located in Shovel 1 dig face.	Area excluded and inspected by shotfirer during daylight hours.	No adverse outcomes.
The blast was viewed live. Suspected misfire was observed. The area suspected of misfire was inspected. Bank of 10 holes identified as not to have fired.	Re-fired hole. Area demarcated and excavated under JSA with shotfirer present.	No adverse outcomes.
Misfire occurred. Hole was identified to have slumped significantly. Booster and Detonator were lost.	Excavation was conducted. Bulk product was located and was then declared a misfire and reported.	No adverse outcomes.
<b>Misfires – underground (2 incidents)</b>		
<b>Unknown/unidentified 2</b>		
Found plastic wrapper and small amount of product in a muck pile after shot.	Explosive was recovered and disposed of.	No adverse outcomes.
Product misfired.	Re-primed and set off safely.	No adverse outcomes.
<b>Breach Exclusion Zone (2 incident)</b>		
Day shift operator noticed that the exclusion bunding on the edge of loaded shot was missing.	He notified his Supervisor. Job was stopped. Upon investigation it was discovered that the exclusion bunding had been dug out during the previous shift.	No adverse outcomes.
CMW operating Dozer was directed to tram dozer from 5N to 2N. Blast crew returned to 5N loaded shot and discovered dozer tracks at entrance and identified dozer had trammed through loaded shot.	Scene was secure. Supervisor and OCE notified and investigation commenced.	No adverse outcomes.
<b>Damage to explosives / packaging (2 incidents)</b>		
Minor damage to palletised pack.	Advised Explosives Inspectorate	No adverse outcomes.
Emulsion tank valve has been left slightly cracked open and approximately 100 kg of emulsion leaked out through the breather valve during night shift.	Nil provided	No adverse outcomes.
<b>Unintended initiation (1 Incident)</b>		
A loader operator was bogging when he observed some loose scats on the right-hand side of the development face. As the loader operator attempted to remove these scats there was an unplanned initiation of explosive.	Incident investigated.	No adverse outcomes.
<b>Vehicle Incident (1 Incident)</b>		
2 x ANE tankers loaded and in transit. The rear passenger side wheels of the tankers drifted off the roadway. Driver corrected to the right, then over corrected to the left. Due to the overcorrection the tankers started	Police and Fire services attended and closed the road with the police issuing a PSPA due to the road closure and involvement of ANE. Explosives inspectors also attended.	Driver received sore shoulder with first aid provided at the scene.

<p>to roll causing the hitch pin on the prime mover to snap with the tanker combination breaking free. The tankers came to rest on their sides with ammonium nitrate emulsion leaking from the top hatch vents. The prime mover remained upright and uninvolved in the crash.</p>		
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