

# Serious accidents and high potential incidents Metalliferous mines and quarries

## Compilation of reports for January 2017

### Gravity

#### Fall of equipment/material (3)

- A cricket ball sized rock fell 12 m from a feeder conveyor onto a lower platform.
- A ROM bin wear plate dislodged, travelled through the crushing circuit and was ejected from a cone crusher, landing on the floor near the crusher.
- A loader mucked beyond the brow of an ore pass, and in doing so opened the brow. The ore pass was hung up with a 90 m void above the brow.

#### Fall of ground (2)

- After rain at an open cut mine a 2500 t wedge failure occurred from a wall above a bunded area adjacent to a haul road. About 15 t breached the bund and ended up on the haul road.
- A 2 t rock fall occurred on an underground decline.

### Electrical

#### Electric shock (1)

- During repairs to guarding, a boilermaker received an electric shock from a welding machine. The boilermaker was wearing wet gloves at the time.

#### Lightning (1)

- The overhead powerlines connected to a building were struck by lightning.

### Mechanical

#### Struck by Projectile (1)

- A worker sustained a broken clavicle when he was struck by a winch connection while pulling electrical cables with a tugger winch.

### Chemical

#### Exposure (1)

- Approximately 7000 litres of 98% sulphuric acid leaked onto the ground from a failed pipe in a process plant.

### Thermal

#### Fire (4)

- An operator observed a small fire in the engine bay of a Hino truck caused by an overheated steering pump. The fire was extinguished with a hand held extinguisher.
- A conveyor belt in a process plant caught fire at the head drum in a tripper car chute after a piece of steel plate wedged in the chute. The deluge system was activated and extinguished the fire.
- A failed hydraulic hose on a Cat D11 dozer sprayed oil onto the turbo which started a small fire while the dozer was operating of a stockpile. The fire was put out with a hand held extinguisher.
- A fire started in the engine bay of a Cat 993K loader when oil sprayed onto the hot exhaust. The operator initially felt heat on his back and smelt smoke before turning to see flames coming from the engine cowling. He shut the machine down and activated the fire suppression system which extinguished the fire.

### Explosives

#### Security (1)

- A 32 mm stick of powergel was found in the cabin of an IT loader.

## Vehicle

### Collision with another vehicle (3)

- A light vehicle and a Cat dump truck came within 34 m of each other on a ROM pad. The dump truck had given way to another truck and was pulling out onto a haul road when the driver observed the lights of a light vehicle that had been travelling behind the other truck.
- After rounding a corner, the trailer on a 776D slid across the haul road and onto the light vehicle access road.
- A Cat 776D long truck pulled out onto a haul road while a Cat dump truck was approaching. The trucks stopped within 12 m of each other.

### Rollover (1)

- When the right hand rear wheels of a Cat 300B articulated dump truck reversed up onto the edge of a stockpile the load in the tub shifted causing the trailer to tip onto its side and the cab to rock violently. The operator, who was not wearing a seatbelt, was thrown from side to side. His head struck and broke the driver's window before he was thrown across the cab and through the passenger side window onto the ground. He sustained lacerations to his arm and head.

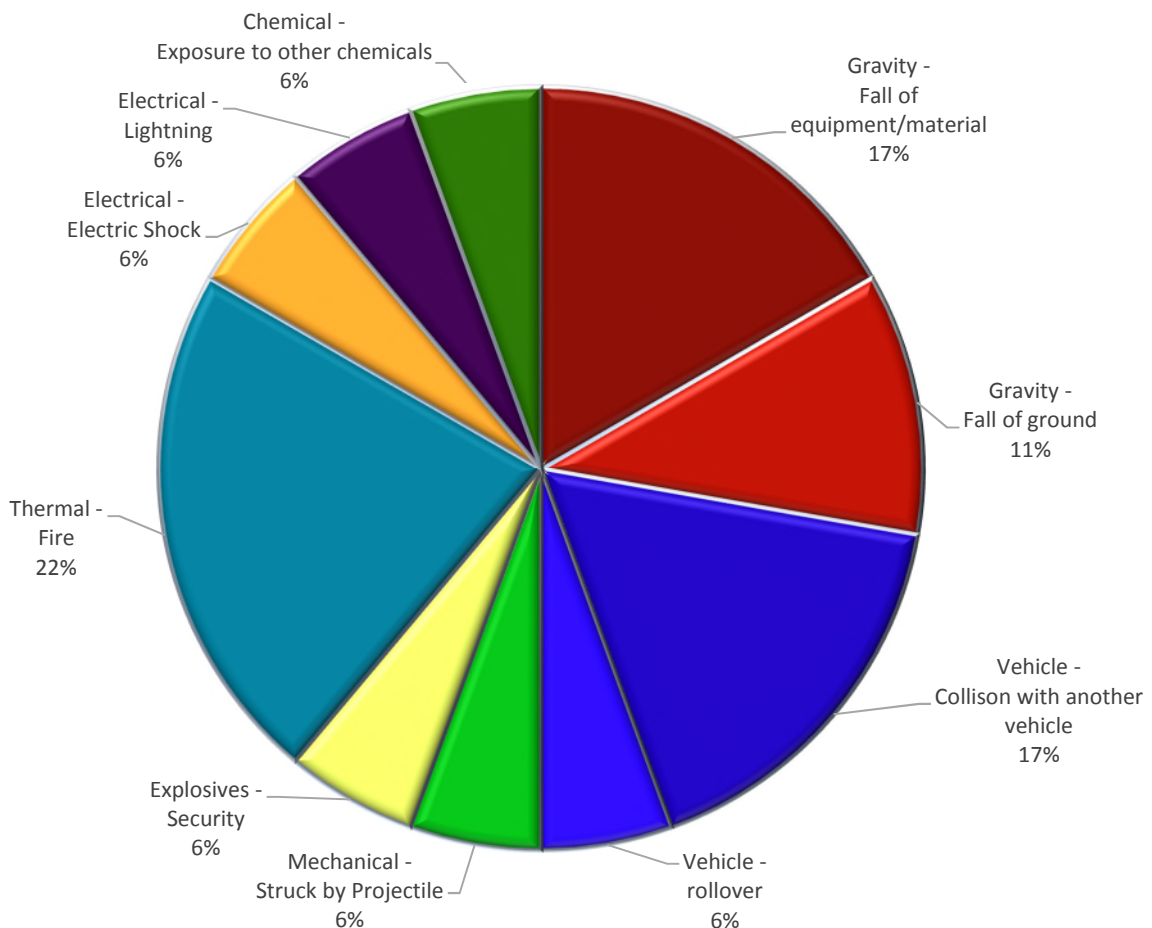


Chart 1 – January 2017 (18 Incidents)

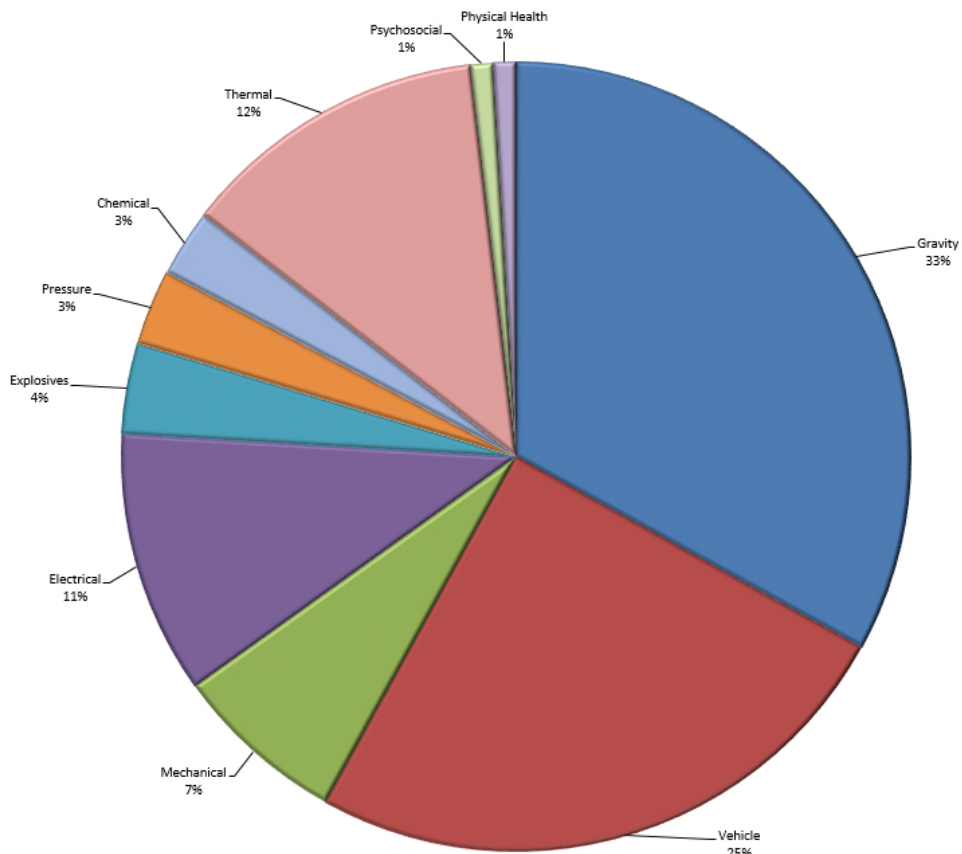


Chart 2 – 12 month rolling average to January 2017 by Hazard Category (324 Incidents)

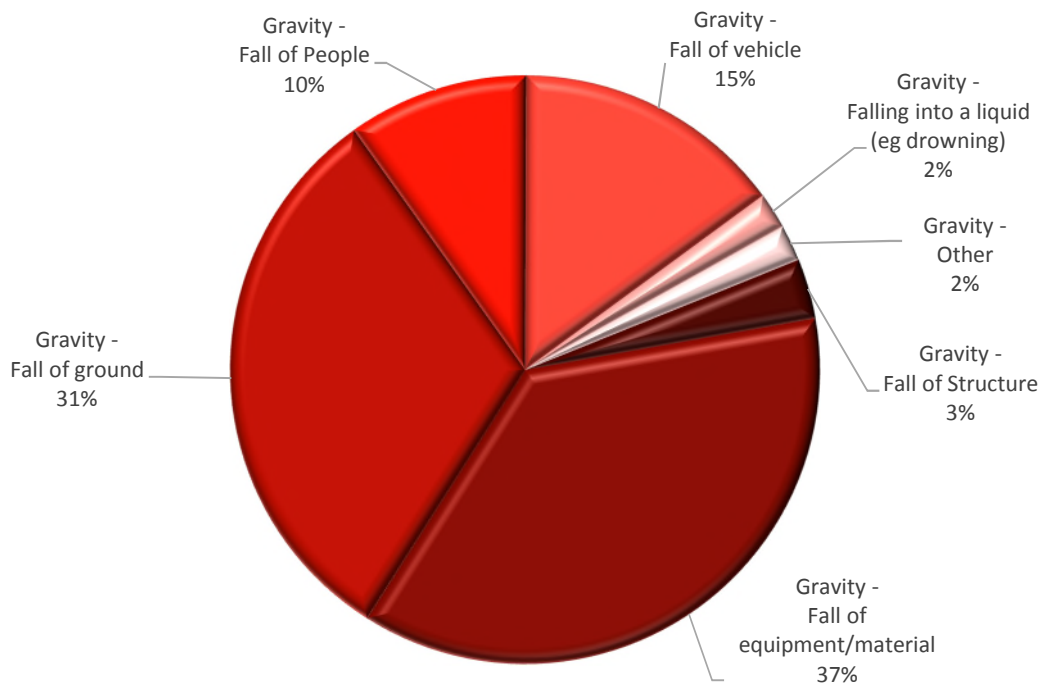


Chart 3 - July to January 2017 Breakdown of Gravity Hazard Category (67 Incidents)

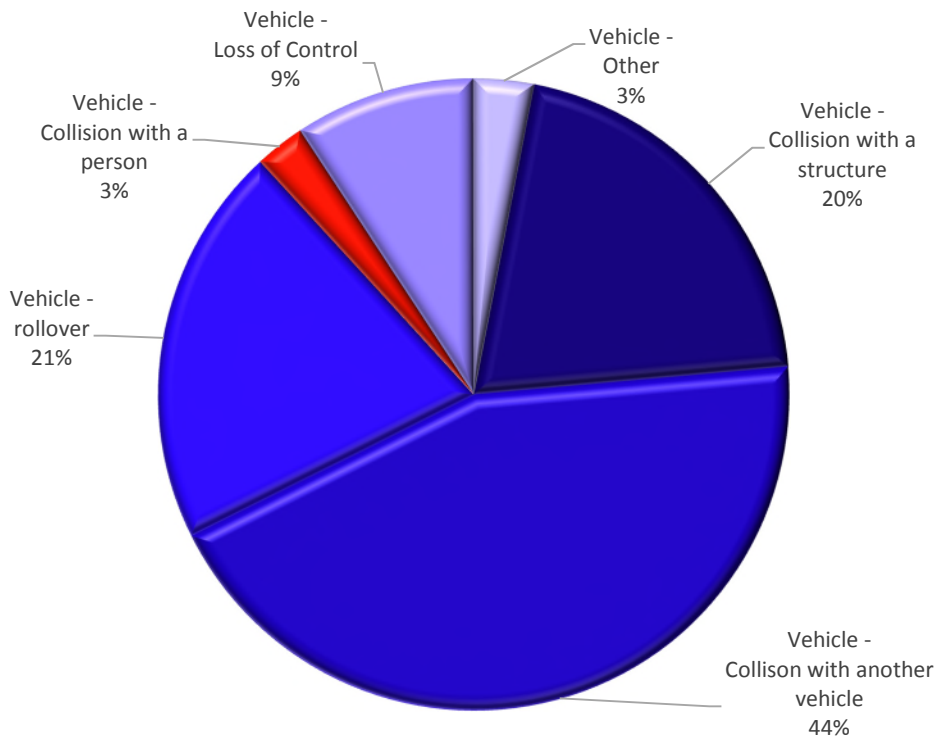


Chart 4 - July to January 2017 Breakdown of Vehicle Hazard Category (41 Incidents)

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Past Metalliferous Mines and Quarry summary reports can be sourced at <https://www.business.qld.gov.au/industry/mining/safety-health/mining-safety-health/accidents-incidents/serious-and-high-potential>

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