

Serious accidents and high potential incidents

Mining and quarrying

Compilation of reports for January 2013

Fall of person (1)

- A worker fell 8m into a discharge pass beneath an underground crusher when the platform he was standing on failed. He sustained a fractured vertebra.

Fall of Equipment/Material (13)

- A packing crate containing a 6.2t centre pin for a P&H 4100 XPC shovel broke while being lifted by a crane. The pin fell 1.2m to the ground.
- A tail drum weighing 3t fell to the floor while being unloaded by a forklift, from a flat bed truck.
- Heavy rain caused a product stockpile beneath a stacker – reclaimer to slump. The slumping material impacted and knocked over approximately 50m of adjacent conveyor infrastructure.
- The basket on a Normet charge car tilted forward approximately 65° when the tilt cylinder boss failed as the operator was raising himself into position to charge the face.
- A Cat 785 dump truck reversed over a dump tip head and ended up stopped on the dump batter.

Fall of ground (7)

- The floor of a drive collapsed into a stope when a section the hangingwall of an empty open stope failed further than expected.
- Approximately 100t of rock fell from the back of a supported production drill drive.
- A structurally controlled wedge failure resulted in a rock fall of approximately 30t from the wall of a fibrecrusted and bolted heading.
- Heavy rain caused failure of a section of the mid-wall of a portal box cut with material spilling onto the portal access road and blocking access to the mine.

Mechanical (19)

- A drill jumbo was turning onto a level from a decline when a drill rod dislodged from the drill rod rack and pushed through the inspection plate in the floor of the operator's cabin.
- A high pressure filter housing that had just been fitted to a Juggernaut loader blew off when the fitter started the loader. The housing struck another loader parked about 10m away.
- A serviceman was greasing a dozer when the grease gun hose became blocked. He was trying to detach the hose from the grease nipple when the nipple broke off. Grease ejecting at high pressure struck his safety glasses and caused a minor grease injection injury near his nose.
- A worker who was collecting a shuttle car cable reel pinned his left arm between the QDS cable reeler frame and the cable spool trapping him for an hour before being rescued. He sustained a broken arm and soft tissue injury to his bicep.
- A worker on an exploration drill site was struck in the face by a hose fitting that he detached from a mud pump while the hose was still under pressure.
- A worker removed a return roller of a conveyor while it was running.

Vehicle – Collision (26)

- A Cat 785 dump truck reversed into a Cat 992 loader on the ROM tipping the loader onto its side.
- A Cat 793 dump truck collided with the rear of a Cat D11 dozer while travelling up a ramp.
- A loaded Cat 789 dump truck side swiped a Komatsu 825 grader stopped on the side of a ramp to allow another loaded Cat 789 dump truck to pass. The grader operator sustained a lower back strain and bruising to his right knee from the contact.

- On night shift the operator of a dump truck which was approaching a Y intersection became disorientated due to the headlights from an approaching truck which was giving way. The truck crossed onto the wrong side of the haul road as it continued through the intersection and stayed on the wrong side for about 200m. He realised the error only when another truck approached from the opposite direction.
- Two Cat 785 dump trucks had to take evasive action when one of them failed to give way at an intersection.
- A Moxy truck was returning after dumping its load and was intending to pass under a conveyor gantry when the operator realised that the tray was still raised. He braked but was unable to prevent the tray from striking the gantry.

Vehicle – Loss of control (29)

- A water cart trailer attached to a Kenworth prime mover rolled onto its side as the truck turned off a haulroad onto a ramp.
- An overloaded Komatsu 730E dump truck fell onto its side when the trainee operator was trying to dump the load on uneven ground.
- A road train was coming into a corner on a haul road when it came into contact with the windrow and rolled the prime mover and the first trailer onto their sides. The driver sustained a minor abrasion to his forehead and bruised ribs.
- The driver of a 20t Franna crane lost control and veered across the road when he braked on haulroad containing loose gravel to avoid collision with a cow. The crane veered across and struck the windrow causing it to roll onto its side.
- At an exploration site water was being pumped from a dam into a 10,000 litre water tank on the back of an Atco truck when the truck rolled from where it was parked into the dam.
- A loaded explosives Volvo FM12 MMU truck rolled onto the passenger side as it drove round a corner.
- The operator of a Terex MT-3300-AC dump truck had a micro sleep while driving up a ramp. The truck veered across the ramp and onto the bund wall. The operator woke up and was able to bring the truck to a stop on top of the bund wall.
- While driving up a ramp a light vehicle struck a rock that had fallen off a dump truck causing the driver to lose control of the vehicle which rolled onto its roof.

- A Cat 789C dump truck slid about 50m on a wet ramp after a heavy shower of rain.

Explosion (11)

- A dozer reversed into a demarcated shot between two loaded blast holes.
- An arc flash occurred in an underground coal mine when an 11kV cable was pushed against a roof bolt by a loader bucket.
- A shuttle car's trailing cable pulled in half as the shuttle car approached the breaker feeder.
- As a shuttle car was travelling to the boot end an arc flash occurred when the trailing cable blew out.
- Damage to a power fill motor terminal on a continuous miner compromised its flameproof integrity.

Fire (45)

- A steel braided hydraulic hose which was rubbing against a battery terminal started a small grease fire on a Kenworth service truck.
- A turbo line gasket failure caused a fire on a Reich C700 drill rig.
- The re-entry crew found a small fire where some expired 36m nonel MS detonators had been initiated to destroy out of date stocks. The mine was evacuated.
- The operator of a Cat 740 water truck used a fire extinguisher to put out a fire that had started in the turbo charger area.
- A Cat 16H grader was destroyed by a fire that started as the grader drove down a ramp. The fire suppression system was activated but failed to extinguish the fire.
- A fire in the electrical box of a Komatsu 960E dump truck was extinguished by the operator using a hand-held extinguisher.
- The operator of a Cat789B dump truck noticed ignited hydraulic oil dripping on the position 2 tyre. A fire had started in the electrical harness due to a short which ignited the adjacent steering hose. The fire was extinguished by the ERT and isolated for 24 hours.
- Failure of the turbo resulted in a fire in the engine bay of a Cat 789 dump truck.
- A Normet charge car was refuelling via quick fill system at a surface fuel bay. Shortly after fuelling started the fuel cap came off and diesel under pressure sprayed over the articulation and engine bay area which ignited

and quickly spread to cover the rest of the vehicle. The fire was extinguished by the ERT.

- An electrical short circuit under the dash of a Cat AD45B ejector dump truck resulted in a fire and smoke filling the cab. The operator stopped the truck and activated the fire suppression system.
- A zone of spontaneously combusting coal was found in a coal stockpile.

Electrical (21)

- A worker received an electric shock from an extension lead.
- A worker received an electric shock from a grinder.
- A boilermaker received an electric shock while repairing an excavator bucket when he inadvertently activated the handpiece trigger of the MIG welder.
- An electrician received an electric shock when he touched a 240V live conductor while carrying out testing in a fire alarm panel.
- During a lightning storm, an 11kV switch board failed catastrophically resulting in significant damage to the substation building structure and fire damage to the switch board and its associated components.

Other (12)

- A worker was arc welding a stainless steel pipe when a lump of slag fell through his trousers and lodged in his boot causing significant burns to his shin.
- A truck driver for was pumping effluent from a septic tank into his truck/trailer tanker when hot effluent under pressure splashed over him. He sustained secondary burns to 20% of his body.
- A worker was affected by a pocket of ammonia gas from the previous day's blasting while he was extending ventilation bags..
- Workers doing renovations to old office building were suspected to have been exposed to asbestos.

(Reports from previous months are available at: <http://mines.industry.qld.gov.au/safety-and-health/accident-incident-reports.htm>)

Figure 1: January 2013 Incidents (184) by Category

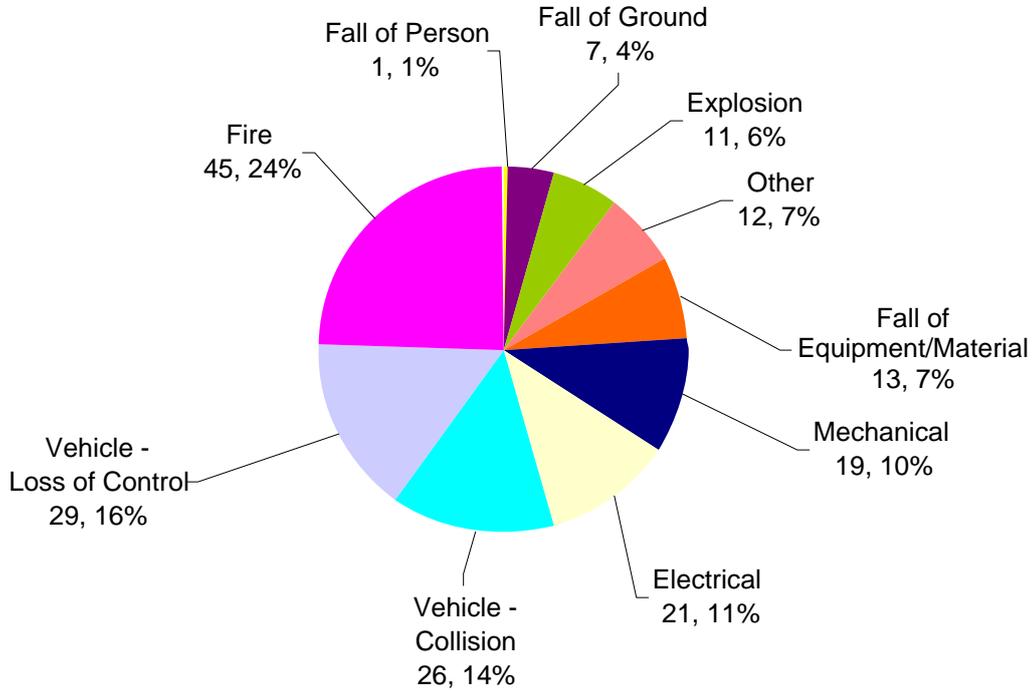
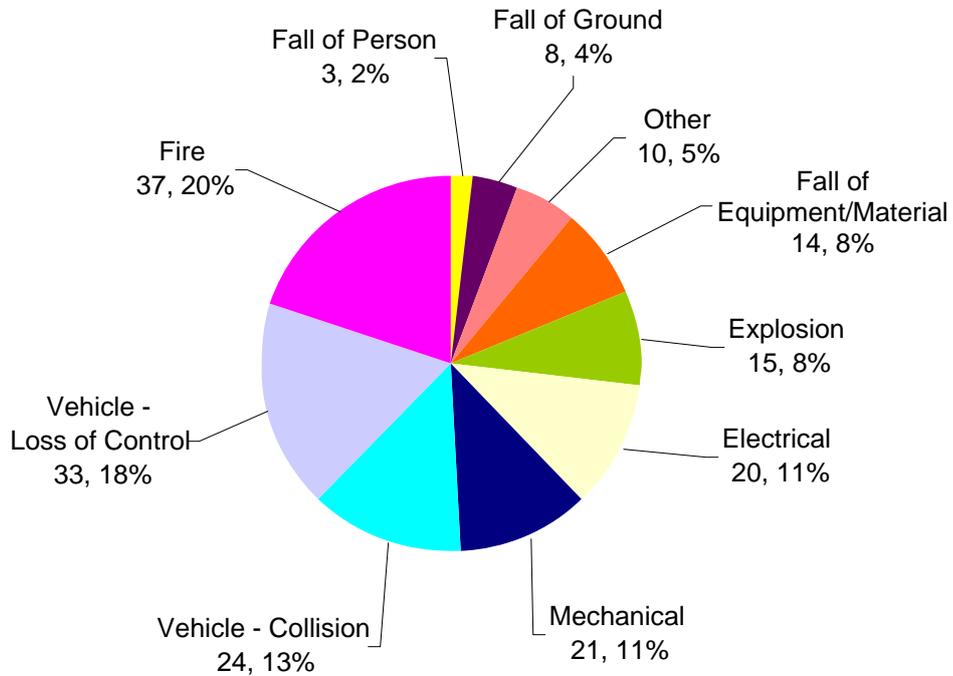


Figure 2: Twelve month rolling average (185 incidents/month) by category



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Fall of person (4)

- An operator fell 1.5m to the ground from the access stairs of a Cat D10 dozer when the handrail failed as he was walking backwards down the stairs.
- A fitter injured his wrist when he fell from the ripper area of a Cat 24M grader while removing the radiator cover.
- A worker fell 2.8m from a conveyor while changing a return idler.
- While removing a crusher in a process plant the crusher dislodged a section of grid mesh floor panel. A fitter involved in the crusher removal stepped on the panel causing him to partially fall through and injure his leg when the panel collapsed under him.

Fall of Equipment/Material (19)

- A conveyor return roller weighing approximately 15kg fell 15m to the ground from a product conveyor in a process plant.
- A length of 200mm diameter steel pipe in a process plant fell 1.5m onto a walkway handrail after a supporting bracket failed.
- During installation of services on a shaft sinking stage, one half of a victaulic clamp fell 6m to the deck below striking an operator in the face. He sustained bruising to his face and a laceration which required 8 stitches.
- On completion of a rescue training exercise in a process plant a foot of a Larkin Rescue Frame weighing 5kg dislodged from a carry bag and fell 17 metres to the ground.
- A Komatsu 730E dump truck inner tyre assembly flange weighing 400kg fell from the rim onto a tyre fitter who was assisting with the fitting of the tyre onto the truck. The fitter sustained chest and hip injuries.
- A tyre fitter was working on the assembly of the rim components of a Liebherr dump truck wheel supported horizontally in the jaws of a

Hyster 10t tyre handler. The assembly weighing approximately 620kg dislodged from the tyre handler jaws and dropped onto the ground trapping the fitter's right boot and fracturing three of his toes.

- While tipping the load off a Cat 797 dump truck a rock measuring 800mm diameter bounced off the tray and landed on the steps of a Cat D10 dozer smashing the dozer's window.
- As a Komatsu 630E was reversing to tip over a tip head its rear wheels travelled over the bund.
- A miner was charging a development face from the basket of a Normet charge car when the basket dropped forward throwing him against the front of the basket. He sustained a cut to his forehead, and injuries to his shoulder, ribs and ankle.
- A Cat D11R dozer was in a workshop for removal and overhaul of the 10t track frames. When the equaliser pin was removed from one of the frames the 5.5t lifting chains which were to support the frame broke and the lifting jig attached to the chains fell against the track frame.

Fall of ground (8)

- A number of seismic events occurred after a production firing causing rockfalls on two levels of an underground mine.
- After charging of a development face, about 100kg of rock slid from the centre of the face landing on the trunk cord and cutting off some detonator tails.
- A Terex RH120 excavator was cleaning material away from the toe of a highwall when a fall of ground from a wedge failure landed next to the excavator.
- A low wall failed while a Komatsu PC1000 excavator was uncovering coal. The material engulfed the rear of the machine.

Mechanical (15)

- During tensioning of Megabolt on a longwall the tail of the bolt snapped off causing the tensioning head to fly off and strike the pan line.
- Fitters had just removed chain links from a longwall AFC at the tailgate and were using the slow running device to take up the remaining slack, when the un-spragged end of the chain suddenly moved 3m towards the tailgate.
- A driller's offsider was removing a cross over sub on an exploration drill rig when his hand was caught between the fixed rotary head guard and the handle on a rod breakout tool, sustaining a crush injury to his left ring finger.
- An operator fractured both thumbs while using compressed air to unblock a discharge hose from a stone gust pod.
- A miner who was standing on the platform of a continuous miner pulled the wrong lever to move the carriage forward which lifted the steps instead jamming his ankle. He sustained a soft tissue injury.

Vehicle – Collision (18)

- While reversing in a stockpile area to load a truck a Cat 980G loader collided with the driver's side of light vehicle and pushed it back 7m before stopping.
- As a Marion 8200 dragline swung around, the bucket collided with the ripper box of a Cat D11 dozer.
- As a Normet charge car drove out of a portal it collided with a Cat AD55 dump truck which was parked partly across the portal entrance.
- A dump truck had to take evasive action when it failed to see a light vehicle at it went through a 'Giveaway' sign at a Y intersection.
- A light vehicle failed to give way to an oncoming dump truck at an intersection. The dump truck had to take evasive action to avoid a collision.
- In wet and slippery conditions two light vehicles had a minor collision at an intersection of a ramp and access road.

Vehicle – Loss of control (23)

- A Cat 16G grader ran out of fuel while travelling up a ramp. It was stationary for about five minutes before running 80m backwards down the ramp and into a berm.

- A Cat 797 dump truck slid down a recently watered ramp and into the centre bund.
- A Cat 789B dump truck slid as it was driving through a corner on a centre bunded haul road.
- A light vehicle rolled when the driver drove into the centre bund when he couldn't see due to the sun shining in his eyes.
- A Tele-remote loader drove through the safety barricades before being shut down by the operator.
- A light vehicle was crossing a flooded causeway in low gear when the vehicle lost traction and floated 450m downstream. The two occupants exited the vehicle through the driver's window and climbed onto the roof before swimming to the river bank.
- The operator of a Komatsu 630E dump truck was distracted while he drove along a haul road and veered across the road and onto the centre bund.
- The retarder and brakes on a Cat 785A dump truck failed to activate as the truck was travelling down a ramp. The driver steered the truck down the ramp and into the tip head.

Explosion (18)

- A light on an Eimco EJC 130 loader was damaged compromising its flame proof integrity.
- A flameproof enclosure on a continuous miner was missing a bolt.
- The flameproof inclinometer enclosure and the supply cable on a continuous miner had pulled from its gland exposing the inner cable cores.
- An Eimco ED10 loader was found to be operating in a panel with the methane shutdown locked in by-pass mode.
- Gas testing of a heading after an auxiliary fan had been re-located and before it was turned on detected >5% methane.

Fire (27)

- A fire started in the engine bay of a Komatsu PC1250 excavator after the fan belt snapped and contacted the upper radiator hose causing the hose to disintegrate and parts of the hose to land on the turbo. The on-board fire suppression activated.
- A catastrophic engine air compressor failure on a Cat 777B water truck resulted in oil igniting when it discharged onto the turbo.

- A fire started in a wheel motor of a Bucyrus MT4400 dump truck and was extinguished by the Emergency Rescue Team. A 300m exclusion zone was established around the truck for 24 hours.
- A grease fire on a gravity take-up trolley bearing resulted in the conveyor belt being torn in half and the counterweight falling to the ground.
- A fire started in the engine bay of a Rechdrill C700 overburden drill rig when oil sprayed from a damaged hydraulic hose that was caught on the hose tray when the drill head was being lowered.
- While driving up a decline a Cat R2900G loader slipped into a drain and came to rest leaning against the wall. This allowed diesel to leak from pre-existing cracks in the fuel tank and spill onto the exhaust muffler starting a fire which was put out with a hand-held extinguisher.
- An underground mine was evacuated when a smoke was noticed coming from an area where a stope long hole winze was charged up. Oxidised drill fines on the ground beneath the winze reacted with spilled ANFO causing the material to smoulder.

Electrical (17)

- A shiploader operator received an electric shock when he operated a berthing winch.
- A worker received an electric shock when he went to move a pressure cleaner and extension lead.
- A worker received an electric shock when he picked up an extension lead that had been on wet ground.
- A shuttle car operator received an electric shock while loading out onto the breaker feeder at the boot end.
- Two cables and a marker tape were exposed while digging a trench.
- The conductors in a dragline cable were exposed when a dozer ran over the cable.
- A main gate fan tripped and failed to trip the underground auxiliary fan.

Other (11)

- A worker was bitten by a snake while walking along a path in the mine village.
- A worker was admitted to hospital with heat stress symptoms.
- Routine sampling of dam water supplying the washdown bay detected a high Legionella bacteria count.
- A worker was waiting to be picked up at a crib hut in the evening when a fruit bat landed on his hard hat and scratched his face. He was treated on site before being taken to hospital for further assessment.
- A mineworker at a surface mine, suffering from depression, went missing and was not found until the following day.

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Figure 1: February 2013 Incidents (160) by Category

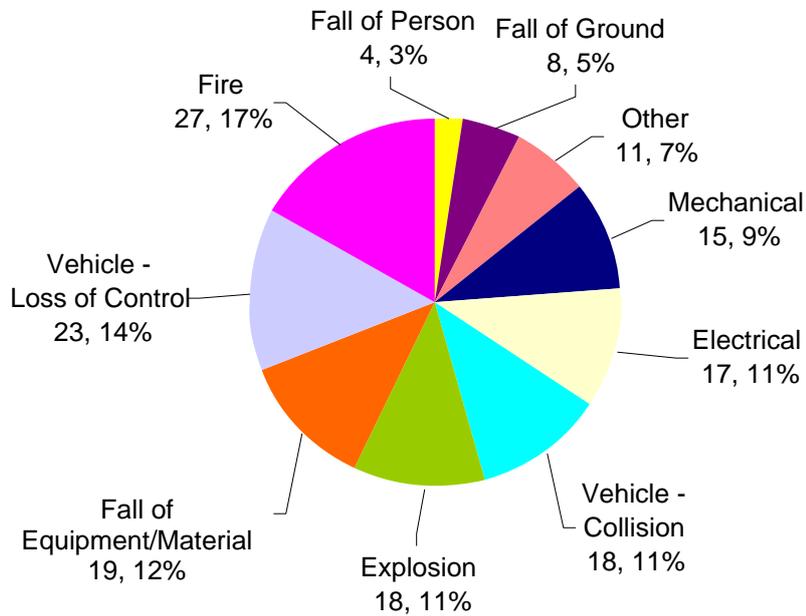
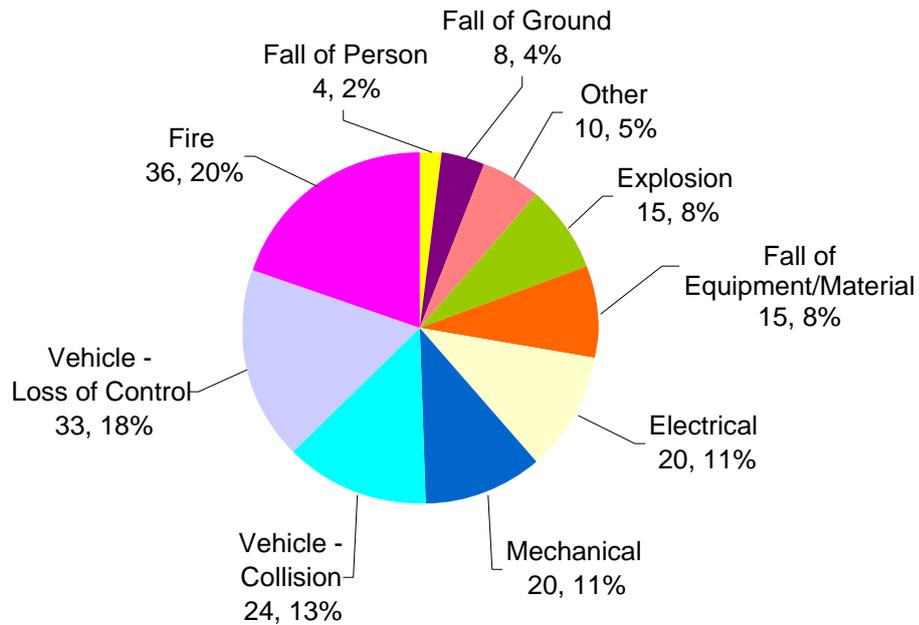


Figure 2: Twelve month rolling average (183 incidents/month) by category



Serious accidents and high potential incidents

Mining and quarrying

Compilation of reports for March 2013

Fall of person (4)

- A fitter who was preparing to remove the lift cylinders on a Cat D10R dozer fell 3m to the ground from the bonnet of the dozer. He sustained a fractured femur.
- A worker fell from a box trailer while setting up sand blasting equipment. He broke his left arm.
- An excavator operator was found dazed sitting on his excavator with abrasions to his head and back after he fell on the muckpile while approaching the machine.
- Two workers were observed standing near a bench edge without using their fall restraint equipment.

Fall of Equipment/Material (17)

- A worker sustained fatal injuries when he was struck by a pump as it was being lifted by a crane from the sump.
- A piece of the drill rod handling assembly weighing about 7kg fell from the top of the mast of a surface production drill rig onto the deck while breaking out a drill rod.
- A worker was unloading sawn sandstone slabs when one fell sideways trapping his hand. The tip of a finger on his right hand was severed.
- While pushing coal on a stockpile a Cat D11 dozer slipped backwards into a feeder draw cone when the coal gave way under the rear of the dozer.
- A 5m section of redundant 150mm diameter steel pipe in a process plant fell 8m when a support bracket failed.
- Following removal of the right hand track of a Cat D10R dozer in a workshop a fitter was using the blade and ripper to lift the dozer to place additional stands under it to remove the left hand track when the dozer shifted unexpectedly to the right.

- The blade of a Cat D11R dozer lowered unexpectedly while the dozer was supported on stands in a workshop causing the stands to shift.
- The position 5 & 6 wheels on a Bucyrus MT4400 dump truck went through the tip head bund on a dump while tipping its load.
- The ground slumped beneath the rear of a Hitachi 4500 dump truck as it tipped its load over a tip head on a dump with the truck ending up leaning down the slope.

Fall of ground (9)

- A rock fell from a development face while a worker was charging the face striking his hard hat and shoulder. The laceration to his shoulder blade required 14 stitches.
- A rockfall from a stope hangingwall failure buried a large rock in a drawpoint just after a jumbo operator left the area after completing drilling for secondary blasting.
- About 50t of rock fell on top of a Line-of-Sight remote control Cat 1300 loader while it was mucking in a stope.
- Approximately 10t of rock fell from the shoulder of a stores recess.
- A section of the highwall failed and fell striking a dozer and pushing it sideways.
- Ongoing erosion caused a localised failure in the mid-wall of a box cut which resulted in material falling onto the portal access road.

Mechanical (19)

- A longwall operator was operating the tailgate anti-topple cylinder to straighten the tailgate supports when he was hit in the upper thigh by a jet of hydraulic oil as he opened the directional control valve. He sustained a suspected fluid injection injury.
- A Crown 5t forklift was unloading a truck when the forklift's right hand steer wheel fell off.

- The hoist on a Cat 773 dump truck was being tested by powering up the tray when both hoist cylinders failed breaking the head bolts.
- A full diesel storage container was being lifted off the back of a lowloader using lifting chains attached to the bucket of an excavator. The lifting chains broke and a piece of chain flew between two workers standing back from the lift.
- A worker was using a jackhammer to remove a coal blockage in a ROM bin feeder when the coal slumped. The jackhammer fell against the side of the feeder trapping his left hand. He sustained crush injury requiring amputation of part of his small finger and ring finger.
- A dozer was towing an Armoured Face Conveyor chain from the maingate when a section of timber lodged in the dozer track. The ejecting timber struck the cab window and shattered it.
- A bull hose on the drill head of a Drill tech DK90 production drill rig contacted a safety rail attached to the mast. The safety rail separated from the mast and penetrated the windscreen of the cab.
- An operator was working from the basket of an elevated work platform installing "C" section supports for floor mesh in a process plant. As he looked over the top of the control panel to look outside the basket he inadvertently moved a control lever which moved the basket pinning him against an overhead beam. He sustained bruising to his neck.
- While cutting up a grade into the tailgate a longwall shearer at the completion of the cut sequence rolled back 20m before stopping.
- The emergency stop had to be applied to stop a dragline slewing.

Vehicle – Collision (22)

- At a 4-way intersection a light vehicle operator failed to see and give way to a Terex dump truck coming towards the intersection from the driver's left. The light vehicle entered the intersection causing the truck driver to take evasive action to avoid a collision. The two vehicles pulled up 8m apart.
- A fibrecrete agitator collided with a Spraymac as the agitator operator was reversing slowly into position to discharge into the Spraymac.
- A Cat 769 dump truck reversed into a Cat 980 loader at a mobile crusher.
- An Eimco ED7 loader collided with a Drifrunner as the loader reversed around a corner in an underground intersection.

- A light vehicle braked and skidded before running into the rear of an underground grader which was travelling on a surface access road.
- A light vehicle veered into the path of dump truck on a haul road when the operator suffered a suspected stroke or heart attack.

Vehicle – Loss of control (31)

- A Cat 793 dump truck was travelling down a ramp after a rain shower when it started to slide and ended up spinning around through 180°.
- A tandem water cart was travelling along a road which was under construction when the wheels slid off the edge and the truck rolled on its side.
- A light vehicle rolled onto its side when the driver lost control of the vehicle as he reversed rapidly on an angle.
- A Komatsu 830E dump truck ended up on the centre bund of a haul road when the operator had a micro sleep.
- The operator of a Cat 789B lost control of his truck as it travelled down a ramp when his crib bag fell from the passenger seat onto an air hose and nozzle on the floor. The air hose discharged stirring up dust in the cab. The truck veered onto a centre bund when the operator tried to retrieve his crib bag and started sneezing.
- A light vehicle rolled onto its side when the driver was distracted as he drove up a ramp and steered the vehicle into the centre bund.
- A Komatsu GD 655 grader operator had just completed a downhill cut on a haul road and had stopped to select reverse gear to back up for another cut when the engine stalled. The rolled down the haul road. The operator was unable to stop and it ended up crossing the haul road going over the safety berm and a drain before stopping in a clear area with an uphill slope.
- An Eimco EJC130 loader moved forward 1m from its parked position when the operator opened the door and got out to adjust the forks so that he could pick-up a pod. The cab door/parkbrake interlock system had not activated. The operator got back in the cab and applied the park brake.
- The operator of a Komatsu 785 dump truck turned off the ignition as he waited to be loaded. The truck has a shutdown timer which allows the truck to be driven away without turning the ignition back on. He was then instructed to go to a different location to be

loaded. As he started his travel without switching his ignition back on the engine shutdown and the brakes locked on causing the truck to skid 30m before stopping.

Explosion (22)

- A fitter was left working on a loader within a blast exclusion zone when the shot was fired.
- An excavator breached the shot demarcation bund as it trammed out of the blast exclusion zone.
- A sulphide dust explosion occurred when a development heading was fired. Two lengths of vent ducting were destroyed.
- A routine inspection found that the motor terminal box of a longwall shearer water boost pump was no longer flameproof. Two bolts securing the terminal box were missing and the other two bolts were loose.
- An arc fault occurred on Transportable Substation as a result of the blue phase NAL switch coming loose, causing a hot joint and the initiation of the arc fault.
- A shuttle car cable tore in half.
- An arc flash occurred when the load motor cable of a continuous miner was damaged.
- During routine servicing of an underground coal mine loader, a fitter found that the gas test plugs on the flameproof diesel engine were missing.

Fire (29)

- A fire started in the engine bay of a Cat 789 dump truck when the turbo failed as the fully loaded truck reached the top of a ramp. The operator activated the on board fire suppression system and exited the truck.
- The failure of a turbo on a Cat D11R dozer resulted in a fire in the engine bay. The operator initiated the on board fire suppression system extinguishing the fire. He sustained minor burns to his head and hand from hot oil.
- When degreaser was sprayed onto the engine of a Liebherr 996 shovel it contacted the hot exhaust system and ignited. The fire suppression system was activated.
- A fire started in the engine bay of a Hitachi 3600 excavator when the turbo failed. The operator activated the fire suppression system but also had to use a hand held fire extinguisher to put the fire out.

- The shorting out of the battery on a Cat D11 dozer resulted in a fire which was put out with a hand held extinguisher.

Electrical (15)

- While conducting TIG welding repairs a boilermaker received an electric shock when he activated the hand piece trigger while removing the tungsten electrode.
- A P&H 4100 electric shovel cable ruptured under fault conditions during operation.
- A tyre fitter received an electric shock while changing tyres on a Cat 789 dump truck. A boilermaker was welding on the truck at the time.
- A boilermaker received an electric shock while welding a dump truck tray. He was positioned between the earth clamp and the wire feeder earth clip which were inadequately connected to the tray.
- A dozer reversed over and damaged an 11kV rope shovel trailing cable while cleaning the bench for the shovel.
- An arc fault occurred in a transportable substation.
- During monthly testing an arc flash occurred in a diesel alternator as it was winding down.
- A fan motor was being removed from an underground coal mine conveyor drive assembly when the fan started. The 3.3kV power to the conveyor drive had been isolated but the 1000V auxiliary circuit power to the fan was not isolated..

Other (11)

- A winder driver on a shaft 'strip and line' job raised the stage when he received the signal from the braceman to raise the service cage.
- A worker was left inside the fume management zone during a coal open-cut blast.

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Figure 1: March 2013 Incidents (179) by Category

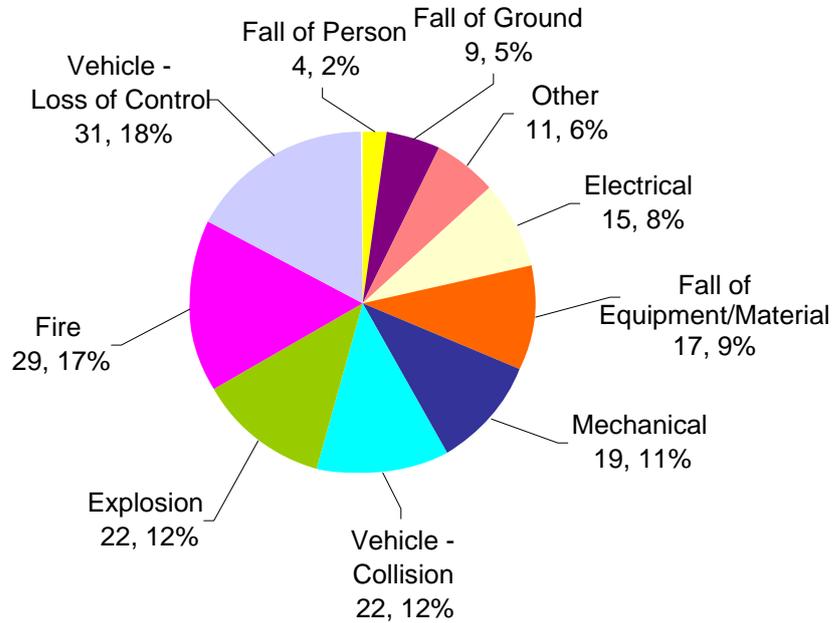
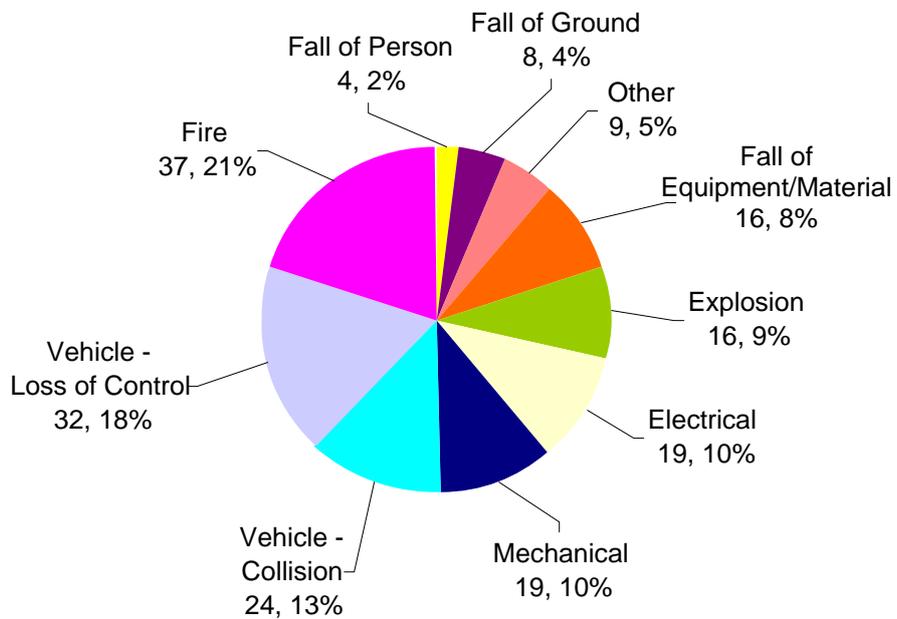


Figure 2: Twelve month rolling average (183 incidents/month) by category



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Fall of person (2)

- An inflating vent bag knocked an underground worker to the ground resulting in him temporarily losing consciousness.
- A worker fainted and fell to the floor in the cab of a stacker reclaimer. He required 16 stitches to a laceration on his head.

Fall of Equipment/Material (11)

- Diamond drill operators were removing rods from a borehole. The lifting aid being used to remove the core barrel slipped and dropped onto the thumb of one of the drillers severing the tip of his thumb.
- A worker was assisting to change a tyre on a loaded Cat AD55 dump truck in an underground heading. A loader was using its bucket to lift the truck when some rocks fell from the tray and struck the driver who was standing next to the truck.
- Rocks fell from a stope into the drawpoint and filled the area where the charge crew had been working.
- A crane was lifting the rear of a Komatsu 830E dump truck to recover timber blocks from under the rear axle when the truck dropped off the blocks supporting the front wheels and rolled forward 3m before stopping.
- Position 5&6 wheels on a Cat 789 dump truck went through a tip head bund when it reversed up to the bund at a 45 degree angle.
- A Cat 980G loader was cleaning under a pugmill hopper when the bucket fouled the feed conveyor and pulled it off its mounting blocks.

Fall of ground (10)

- A seismic event caused rockfalls in two headings. One from a left hand wall hit and

cracked the windscreen of a loader while mucking was taking place.

- Approximately 120 tonnes ejected from the face and 30 tonnes of slabbing from side wall after a seismic event.
- An operator was struck by a piece of mudstone that dislodged from the upper corner of a longwall face as he was resetting the shearer carriage. He sustained a lower back injury and bruising.
- A jumbo operator was struck on the shoulder by a rock that fell from the face while he was changing drill bits.
- A section of a 20m high highwall failed on a slippery back structure. The rockfall rilled around a lighting plant positioned 11m from the highwall.

Mechanical (14)

- While removing an inner bearing cup from a Cat 793 dump truck wheel hub an apprentice fitter had a finger crushed and broken when it was struck by a sledge hammer.
- A wheel and axle dislodged from an Isuzu 300 4WD truck.
- The failure of a conveyor gearbox anti-run back device resulted in the conveyor belt moving backwards on start-up.
- While retracting the drill stem on an exploration drill rig the offsider was struck by the drill rope.

Vehicle – Collision (28)

- A surveyor conducting a survey at a portal had to take evasive action to avoid being run over by an underground dump truck that at the refuelling bay at the portal before proceeding underground.
- A dual axle trailer became detached from its towing vehicle and rolled for 30m before hitting a mobile conveyor.

- A Cat 789 dump truck rolled back 10m into the dig face during fault finding for a low air pressure problem.
- A Cat 776D Longtruck pulled out in front of a light vehicle at a "T" intersection after stopping at the stop sign.
- While stonedusting an Eimco loader collided with a dozer parked in a cross-cut.
- A Hitachi EH3500 dump truck collided with a Cat 16H grader at an intersection.
- An explosives MMU collided with the shotfirer's ute while reversing on a shot.
- A Cat 972H loader collided with a Volvo A40 articulated dump truck in a stockpile area.

Vehicle – Loss of control (16)

- An empty 25 seater bus rolled 30 metres across a carpark and into a fence.
- A light vehicle rolled onto its side while travelling on a wet road.
- An empty Bucyrus MT4400 dump truck travelling down a recently watered ramp lost traction and skidded, turning through 90 degrees before stopping.
- A Cat AD55 dump truck lost traction on a recently watered decline and struck the wall.
- A Cat AD55 dump truck rolled onto its side on the surface when the operator made a sudden change in direction while approaching the stockpile to tip.
- A Normet charge car lost traction and skidded for 40m on a wet section of decline before colliding with the wall and stopping.

Explosion (12)

- An arc flash occurred when an 11kV cable was pinched between the roof and equipment being transported by a loader.
- The auxiliary battery on a Liebherr 9250 digger exploded in the battery compartment. Two operators standing nearby sustained slight acid burns from the mist that was expelled during the explosion.
- A steam explosion occurred in a smelter when molten metal contacted a pool of water.
- A bolt was missing from the inlet flame trap mounting on a Sandvik loader.

Fire (38)

- Hydraulic oil from a split o-ring sprayed onto the turbo of an Atlas Copco MT6020 dump

truck and ignited. The truck's AFFF fire suppression system extinguished the fire.

- A small amount of degreaser caught fire when it was sprayed onto the hot engine of a charge car during maintenance.
- A fire started in the battery box of a Liebherr 996 excavator when an aerosol can contacted the battery terminals.
- A small area on a surface coal seam spontaneously combusted. The area was doused with water and dug out.
- A fire started in the engine bay of a Cat 777 water truck after a hydraulic hose failed and sprayed oil onto the turbo. The fire was extinguished using the on-board fire suppression.

Electrical (19)

- A forklift mast contacted overhead high voltage power lines.
- A phase to earth fault caused open arcing in a substation that blew open the 6.6kV switchroom doors.
- A worker received an electric shock when he was holding an extension lead. The plug on the lead had moisture in it.
- The doors around the slip rings of a dragline were open and damaged which exposed the 22kV conductors.
- A Cat D 11 dozer ran over and damaged a dragline cable.

Other (10)

- Two workers, who were welding in a workshop, were overcome by exhaust fumes from the two diesel welders they were using.
- After an overburden shot was fired in an opencut coal mine a level 4 fume event occurred. The fume cloud was rated as level 4 when it breached the fume management zone.
- An unplanned chemical reaction in a brominator vessel, which treats cooling tower water in a process plant, resulted in the rupture of an outlet pipe on the vessel and the release of a cloud of bromine and chlorine gas into the atmosphere.

(Reports from previous months are available at: <http://mines.industry.qld.gov.au/safety-and-health/accident-incident-reports.htm>)

Figure 1: April 2013 Incidents (160) by Category

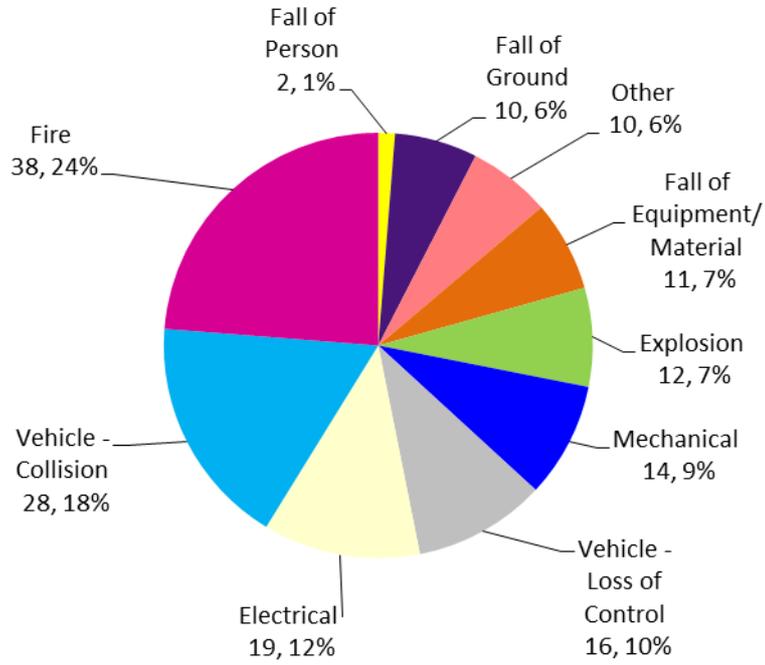
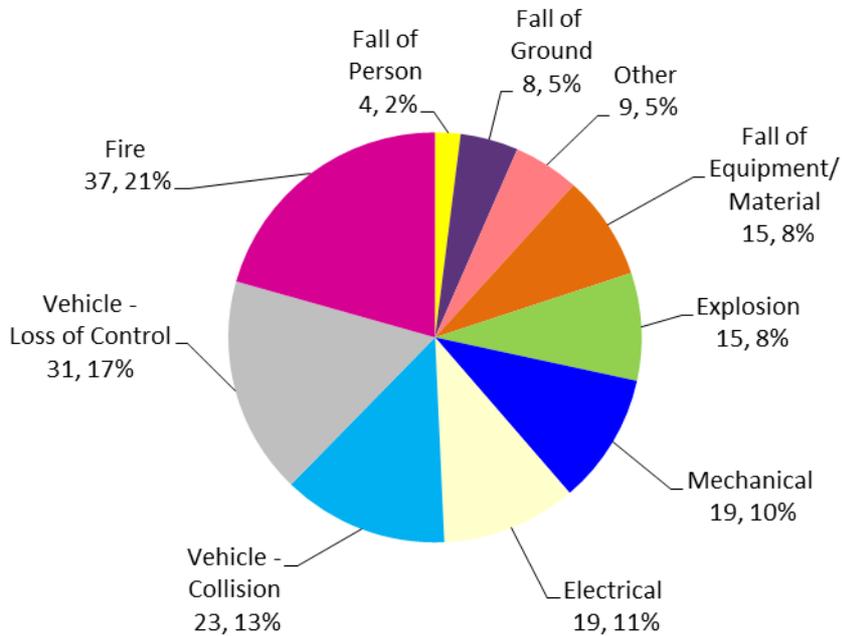


Figure 2: Twelve month rolling average (180 incidents/month) by category



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Fall of person (4)

- An operator entered an un-barricaded area in a processing plant where flooring sections had been removed.
- A worker slipped as he was getting off a Volvo A30 articulated dump truck. He sustained a puncture wound to his lower jaw which required five stitches and a laceration to his right leg.

Fall of Equipment/Material (18)

- A stillson wrench which had been left hanging on the rim of a shaft kibble fell 360m down the shaft when it was dislodged as the kibble passed the collar doors.
- While a truck and trailer was tipping on a stockpile the trailer rolled onto its side when the hoist was at its fourth stage.
- A hinged handrail broke away at a weld and fell 16m to the floor of an empty storage tank 16m below near where two workers were carrying out maintenance.
- The boom dipper arm of a Spraymec shotcrete rig fell off after a pin failed.
- The rear wheels of a Liebherr 282 dump truck slumped in to the tip head material up to chassis.
- While clearing a shot a Cat D11 dozer slipped over an edge and rolled onto its side.
- An underground loader operator mucking conventionally mucked beyond the brow of an open stope.

Fall of ground (10)

- During overburden removal a highwall failed resulting in rocks striking an O&K RH 340 excavator and a Komatsu 830E dump truck.
- While charging a development face from a charge basket a miner was struck on the

shoulder by a 20kg rock. The miner sustained severe bruising and contusions to his shoulder.

- A coal mine worker was extending the chain block to pull a longwall shield leg onto the faceline when a rock fell between the last line of support and the face hitting the worker on the shoulder and head.

Mechanical (15)

- A fitter was freeing a seized locking plunger on the turntable between a prime mover and trailer. He used an aluminium barring down bar to pry open the plunger while the truck was driven forward. The bar ejected striking the spotter who was assisting the fitter. The spotter sustained a contusion on his left arm.
- While grouting cablebolts the grouting system blocked. When the operator used his hand to dump out the grout from the mixing bowl the dump valve closed trapping his hand.
- While running communications cable down a shaft, the maintenance conveyance moved up when the workers on the conveyance had requested it to move down. The upper outrigger on the conveyance impacted a shaft platform above the level and broke off.
- During relocation of the radial stacker, the controls were left activated when the workers left the site. The stacker continued to move causing significant damage to the conveyor.
- After filling the main bulk tank on a service truck with diesel the operator climbed on top of the fuel tank and released a cam lock fitting which ejected under pressure and struck the operator in the face. He lost three teeth and required stitches to a cut in his upper lip.

Vehicle – Collision (11)

- A Cat 789B dump truck reversed out of a workshop and collided with the side of a flat-bed truck pushing it almost 2m.

- The swinging counterweight of a Liebherr 996 shovel collided with the front left side of a Cat 777 water truck parked behind it.
- While moving into position to change a tyre a tyre handler collided with and knocked over a 6m light pole.
- A Crown CD45S 4t forklift skidded sideways on a slippery floor in a storage shed and collided with a fire hose reel mounted on shed frame.

- A main transporter was moving away from a continuous miner when the miner's cable caught on the rear bumper of the transporter and was severed.
- During charging operations an explosives MMU vehicle ran into a box of boosters on a quarry bench.
- A lead in line caught on a bobcat and was dragged through the shot.

Vehicle – Loss of control (22)

- A Toyota Hilux dual cab carrying three exploration drillers, returning to site after their break, overturned when the driver lost control of the vehicle. Two of the occupants recorded blood alcohol concentrations (BAC) readings over 0.05.
- While responding to the Toyota Hilux rollover the exploration manager rolled his Toyota Landcruiser onto its side when he swerved to avoid a cow and hit a tree on the side of the road.
- A Mazda BT50 ute rolled onto its roof when the driver swerved to miss a kangaroo and hit the bund on the side of the road.
- A Cat 793 dump truck travelling down a ramp, lost traction on a recently watered section and skidded for 40m before finishing 90 degrees to the direction of travel.
- A Liebherr 282C dump truck lost traction and skidded on a wet section of a ramp. It slid for 30m before running into the safety bund.
- A Toyota troop carrier slid into the centre bund and rolled onto its side at a bend on a haul road which was wet and slippery.
- A loaded Komatsu 830E dump truck mounted the centre bund and came to a stop when the operator had a microsleep.
- A rear wheel and axle assembly separated from a Toyota Hilux 4x4 twin cab ute.

Explosion (11)

- A longwall shearer was operating with the cutter motors 1.25% gas monitor deactivated.
- A methane gas monitor warning system was left in bypass mode after calibration of a sensor.
- Following relocation of an 11kV transformer the ERZ Controller for the district found that the cap on the through feed coupler was attached with only four bolts and was incorrectly fitted with a 4mm opening.

Fire (49)

- A collapsed inner wheel bearing on a Komatsu 785 water truck caused grease in the hub to flow onto a brake calliper and ignite.
- While tramming to a tipple a Cat AD55B dump truck struck the wall of the drive which pushed the hydraulic tank back towards the engine damaging the rocker cover. Subsequently oil leaked from the rocker cover onto the hot engine and caught fire. The operator activated the AFFF system and also used a hand held extinguisher to put the fire out.
- Coal on part of the face of a ROM stockpile spontaneously combusted.
- A fire started on a conveyor roller when the roller bearing failed.
- A starter motor on a Cat D9T dozer failed and caught fire.
- The main slew hydraulic line on a Komatsu PC3000 excavator ruptured and sprayed oil over the inside of the engine house. Some of the oil ignited when it landed on the motor.
- A fire started when a hydraulic slew hose burst on a Cat 385 excavator spraying oil into the engine compartment. The operator shut the machine down and had to manually activate the AFFF system.
- While operating a Cat D11T dozer a fire started under the cab when oil sprayed onto the turbo from a hole in a hydraulic hose that had worn through from rubbing against an adjacent hose. The cab was initially engulfed in fire. The operator shut the machine down and manually activated the fire suppression system. He was trapped inside the cab for a short time before the fire intensity subsided sufficiently for him to exit the cab through flames. The fire was put out using hand held extinguishers. The operator was taken to hospital suffering from smoke inhalation.
- An electrical fault resulted in a small fire in the main wiring harness of an explosives contractor's light vehicle.

- Coal seam gas discharging from an old exploration drill hole close to a low wall ramp ignited resulting in a small number of flares continuing to burn.

Electrical (25)

- Boilermakers were gouging on the underframe of a Liebherr 262C dump truck in a workshop while two fitters were working on the rear of the truck's axle box. The welding leads ran through a pool of water in which was also standing the aluminium ladder being used by the fitters. The fitters received electric shocks when they touched the ladder. The insulation on one of the leads lying in the water was damaged and the earth clamp was in poor condition.
- A Cat 24H grader damaged a buried live 22kV dragline cable while grading a haulroad. The substation feeding the cable tripped on earth leakage.
- A Cat 775D dump truck left a washdown pad with the tray raised and fouled an overhead communications cable suspended beneath 11kV overhead power lines. The tension on the communication cable caused one of the power poles to lean over resulting in two phases of the 11kV power line touching and arcing.
- An emergency stop button failed to operate the earth continuity trip circuit on an electric shovel.
- An excavator was cleaning spillage from an area when the bucket came into contact with buried electrical cables
- A live 415V AC electric cable and a fibre optic cable were damaged during fence post auger operations.
- A live lighting cable in a process plant was severed when a worker cut through a steel purlin with a hack saw.
- Two workers in an elevated work platform basket received electric shocks when they reached out of the basket and touched the frame of a new building they were working on. The earth wire on the EWP was found to be poorly terminated and the junction box below the basket was full of water from recent rain.

Other (15)

- A worker was measuring the temperature of a furnace launder when molten metal splashed out of the launder and landed on his left leg

just above his spat. He sustained a full thickness burn.

- Five Hitachi EH3500 dump truck operators reported a strong smell of exhaust fumes in the cabs. They were admitted to hospital suffering from carbon monoxide poisoning.
- A worker who was being lifted in an IT basket to install sprays from the back of a drawpoint was affected by sulphur dioxide fumes from reactive pyrite ore in a stope.
- An explosives booster could not be accounted for following the loading of a blast.
- Workers were withdrawn from an underground coal mine when power to the ventilation fans was lost for more than 30 minutes.
- A continuous miner cutter head struck the metal casing of a surface to seam bore hole.
- A loader operator suffered heat stress when he continued to muck a development heading after the loader's air conditioner had stopped working.
- A Level 3 fume event occurred following an open pit blast. Subsequently a Level 1 fume cloud breached the fume management zone boundary.

(Reports from previous months are available at: <http://mines.industry.qld.gov.au/safety-and-health/accident-incident-reports.htm>)

Figure 1: May 2013 Incidents (180) by Category

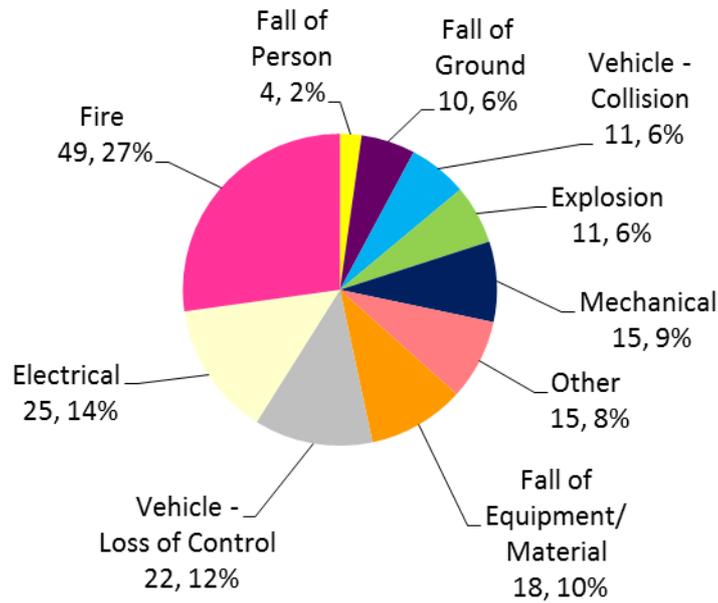
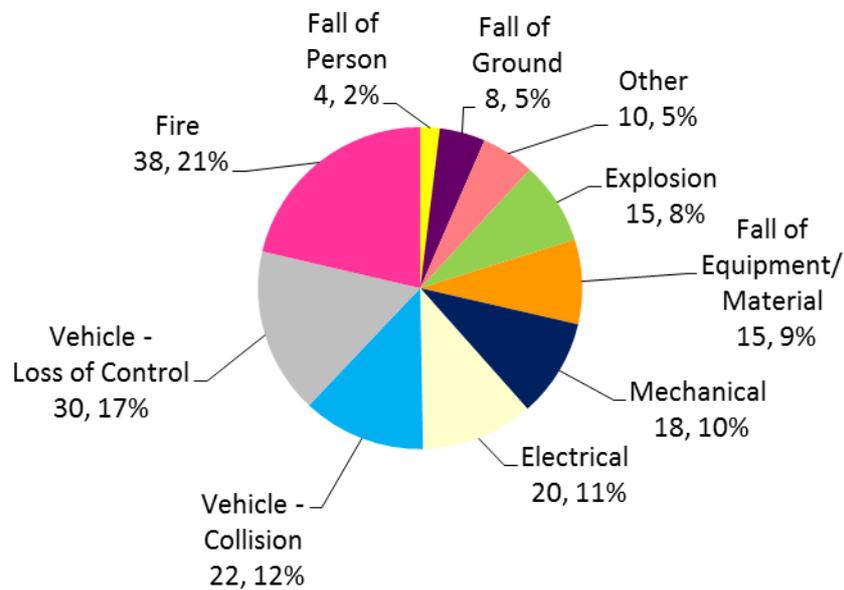


Figure 2: Twelve month rolling average (180 incidents/month) by category



Serious accidents and high potential incidents

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Fall of person (2)

- While descending the access ladder on an impact crusher a worker slipped on a rung and broke his ankle.

Fall of Equipment/Material (24)

- A worker was walking under a mobile crusher conveyor when a rock fell from the conveyor, dislodging his hard hat and striking him on his head. He sustained a small cut to his head.
- A worker placed his hand inside a rock lab ring mill to steady a container when the hammer activated and crushed the tip of his thumb.
- While connecting a drill rod during longwall goaf line drilling the rod dislodged and dropped to the drilling table crushing one of the driller's fingers.
- About 5m of pull down chain fell onto the deck of a Drilltek drill when the chain jammed under the travelling sprocket.
- A beam joiner failed on a monrail resulting in the carriage carrying a DCB and fan falling 0.5m to the floor.
- While laser aligning a shaft during shaft sinking operations a wing nut and bracket dislodged from one of the surface lasers and fell down the shaft, missing four workers who were under the protective cover on the sinking stage 333m below.
- A metre long 6kg section of a gantry crane track fell 4m to the floor in a process plant.
- A tyre fitter was removing a wheel rim on a Komatsu 830E dump truck for crack testing when the flange and bead seat fell from the hub onto the ground and struck the tyre fitter knocking him back against the tyre handler

mast. He sustained lacerations to his head and leg and bruising to his shoulder.

- A power cable being lowered down a borehole detached from its supporting chains.
- A 150mm diameter steel elbow connected to a discharge hose fell 5m to the floor in a process plant.
- A loaded Cat 773E dump truck rolled onto its off side after reversing over a 1.5m high face on a coal stockpile.
- Position 5 and 6 wheels of a Cat 793D dump truck drove through the windrow while reversing onto the tip head.
- A load of steel being lifted by an IT 28 crane fell to the ground because the lifting pin was not locked in.
- A Cat 769C dump truck tipped over while tipping material, causing bruising to the operator's right shoulder.
- The tray body of a loaded Cat 740 articulated dump truck rolled onto its side when the front wheel dropped over a 0.5m high ledge on the edge of a bench. The operator's cabin remained upright.

Fall of ground (3)

- After a firing a large rock was found on the floor of a drive near a fuel bay with a second rock lying across an 11kV cable.
- A rock fractured and fell from a face hitting an excavator.
- About 1000t of rock fell from the wall of an opencut excavation.

Mechanical (10)

- A worker had part of a finger amputated when the cribroom chair he was sitting on collapsed.
- A hydraulic shutter door on cement kibble closed on a worker's thumb resulting in amputation of the top of his thumb.
- While fitters were removing the right hand stick cylinder on an O&K RH170 excavator the cylinder rod was ejected, landing 20m outside the barricaded work area.
- When an operator leant on a restricted access gate on a rotary breaker while conducting an inspection the gate swung in and contacted the face of the rotary breaker.
- A QDS bolter basket attached to a Z series Juggernaut loader started to crowd back without any operator input while the two workers in the basket were drilling a hole for a GXT bolt.
- While underground diamond drilling one of the drill holes unexpectedly broke through into a stockpile recess.

Vehicle – Collision (17)

- A loaded Cat 776 D Longtruck pulled out of a stockpile area and travelled down the wrong side of the road for 150 meters.
- A Cat 773 water truck took evasive action to avoid hitting a light vehicle at a T-intersection after the light vehicle had initially stopped and then pulled out in front of the truck.
- While reversing to the dump face a Cat 789C dump truck collided with a Cat D10T dozer tilting the dozer onto one track.
- A raw coal reclaimer collided with a parked light vehicle while being relocated in a stockpile area.
- When fitters raised the tray of a Komatsu HD 785 dump truck to check a wiring fault the tail of the tray crushed the roof of the fitter's light vehicle which was parked behind.
- A loader collided with an explosives vehicle as the vehicle reversed out of a drawpoint.
- The tray of a Komatsu 730E dump truck collided with the right side bucket ram of a Liebherr excavator as it reversed to be loaded.

Vehicle – Loss of control (27)

- A Cat 631 scraper skidded on a wet road rotating 180° before rolling on its side.
- A Cat 797F dump truck lost traction and skidded on a wet ramp, rotating through 90°.
- Driving through a ramp switchback a Cat 793 dump truck lost traction and slid through 180° before stopping.
- A Cat 797 dump truck lost traction on a wet ramp and slid for 60m before coming to a stop on the shoulder of the road.
- The maxi brakes on a triple road train came on when the rig was travelling along a haul road. The driver parked and got out to check the brake lines and while making adjustments the rig rolled 25m down into a gully and jackknifed.
- As a Cat 24H grader was making a turn on a ramp the left front stub axle failed and the wheel rolled 155m down the ramp.

Explosion (27)

- A shuttle car power cable corkscrewed as it left the reeler, it caught on the outrigger damaging the sheath and causing an arc flash.
- While back spooling as the shuttle car drove toward the anchor the power cable wedged between a gap in the hungry boards and under the shuttle car wheels. The cable was severed and an arc flash occurred.
- When a longwall shearer restarted after a power trip an arc flash occurred on the cable where it enters the shearer. The cable had been damaged by the Bretby protection.
- A loader bucket struck an 11kV cable causing an arc flash when the operator raised the bucket to clean it after transporting concrete.
- A 0.55mm gap was detected on a longwall shearer flameproof enclosure during routine daily electrical inspections.
- An ERZ1/NERZ monitor failed to trip at the 0.5% methane trigger level.
- Uncertified portable electrical equipment was taken into an underground coal mine without a hand held methane detector.
- An electrician discovered a non-flameproof junction box in an ERZ1 area.
- Maintenance was conducted in a surface workshop on an explosives transport light

vehicle while the vehicle still had explosives on board.

- An unauthorised worker drove onto a shot while explosives were being loaded.

Fire (46)

- Oil from a burst hydraulic hose sprayed onto the hot engine of a Cat 631G scraper and ignited. The operator sustained a broken ankle when he jumped from the cab.
- While clearing an exploration pad a spark from a dozer started a grass fire. The fire was put out by the emergency response team.
- A hydraulic hose on a Cat D11 dozer burst and sprayed oil onto the turbo resulting in a small fire. The operator activated the on-board fire suppression system which extinguished the fire.
- A fire in the engine bay of a Komatsu WA900 loader was put out by the operator using a hand held extinguisher.
- A fire started in the tail end of a conveyor belt when the conveyor tracked off line and started rubbing on the structural steelwork. The fire was extinguished by the emergency response team.
- While driving up a decline in a MacLean charge vehicle the operator noticed flames coming from the position 3 tyre. The on-board fire suppression and hand held extinguishers were used to douse the flames. The wheel assembly had been incorrectly fitted causing it to rub against the wheel arch.
- A fire near the turbo on a mobile diesel compressor was put out with a hand held extinguisher.
- A spontaneous combustion heating occurred in a ROM coal stockpile.
- A flash fire occurred in an empty cooking vat in the village kitchen. The fire was extinguished using a fire blanket.
- After an overburden shot a small methane fire developed in part of the overburden.
- After a presplit shot one of the holes flared for about 5 minutes and then self-extinguished.
- While refuelling a water pump diesel overflowed and ignited when it spilt on the pump turbo. A hand held extinguisher was used to put the fire out.

Electrical (17)

- A worker received an electric shock when he touched the power lead to the lathe he had been using.
- During relocation of an electric shovel the power cable conductors were exposed when the cable was over-tensioned and pulled out of its plug.
- A worker in a process plant lab was preparing a sample when the power lead to the device being used separated. He received a superficial burn to his wrist.
- A D10T dozer veered off an access road and contacted a demarcated dragline cable. This tripped power to the substation and dragline.
- After completion of electrical wiring work in a switch board elevated voltages occurred due to inadequate termination of the neutral wiring.
- A boilermaker using a grinder severed a 240V armoured supply cable.
- While relocating cable towers a track dozer pushed the cable tower onto the 6.6kV shovel cable causing earth leakage protection to trip at the substation.

Other (8)

- Workers were evacuated from an underground coal mine when power loss to the ventilation fans was expected to take more than 30 minutes to fix.
- Following a surface blast a level 3 fume event occurred. The fume was at level 2 when it travelled beyond the fume management zone.

(Reports from previous months are available at: <http://mines.industry.qld.gov.au/safety-and-health/accident-incident-reports.htm>)

Figure 1: June 2013 Incidents (181) by Category

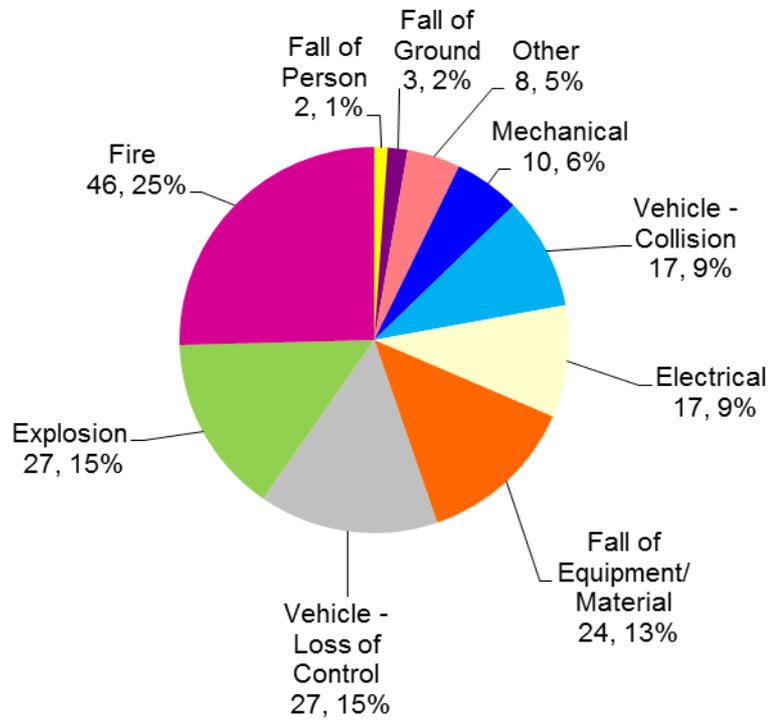
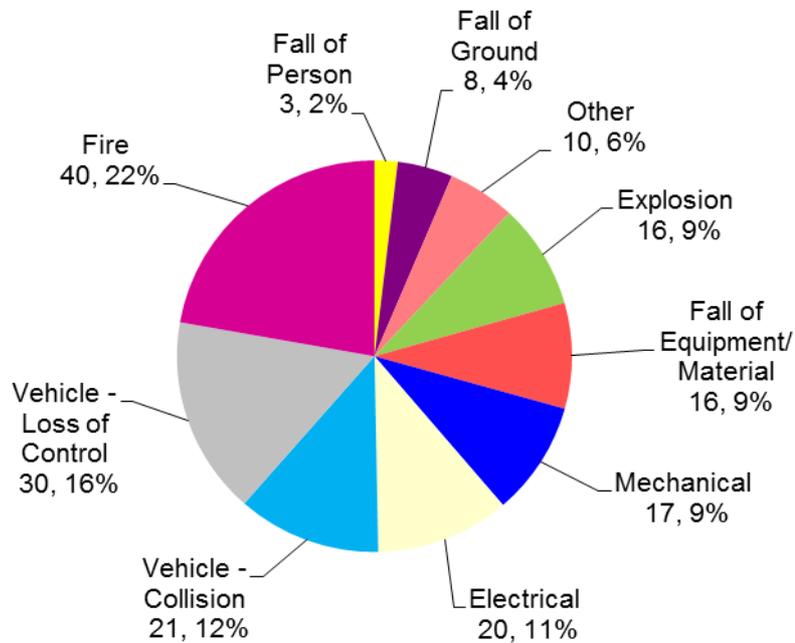


Figure 2: Twelve month rolling average (181 incidents/month) by category



Serious accidents and high potential incidents

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Fall of person (3)

- A worker used a handrail as a lanyard attachment point while removing scaffolding. The lanyard was also not retractable and too long to provide fall restraint.
- A worker fell from back of his transport truck while removing a gate from a container and suffered injuries to his back and head.
- The operator of a Cat D11T dozer was trying to access the walkway to clean the rear window. As he stepped on the first step it fell to the ground causing him to fall forward.

Fall of Equipment/Material (20)

- An operator was in the basket of a Normet charge car 2.5 m off the ground hanging a cable when the basket tilt cylinder broke and the basket fell forwards.
- The cone section of a coal rejects storage bin collapsed onto a road train which was loading beneath it.
- A suspended light fitting fell from the roof of a workshop 11m to the floor.
- While cleaning up coal on a bench a Cat D10T dozer backed into a 3m deep test pit dug for coal quality purposes and ended up on its side.
- While changing cutting edges on a grader blade a fitter fractured two on his fingers one of the cutting edges dislodged and fell to the ground trapping his fingers.
- While bolting up a Liebherr 9350 track guide the guide dropped onto the hand of a fitter holding a rattle gun crushing two of his fingers.
- While fitting a torque converter to a Cat 793F dump truck the two lifting eye bolts pulled from their threads causing the converter to fall 0.9m.
- A guard at the top of the drive head on an exploration drill rig fell to the ground.
- A 1.2m length of 50mm square hollow section detached from a conveyor spill tray and fell 8m onto a walkway.

- Three 0.5kg mill balls fell 15m to the floor of a process plant while workers were removing the lid on a ball mill launder box.
- A feed box beam in a process plant being lowered to the ground using an overhead crane fell 0.3m when a webbing sling failed.
- A Cat 793 dump truck backed through a tip head rill with the position 5 and 6 wheels.
- A process plant cross-brace I-beam fell 5m when a supporting cleat plate failed.
- While lifting a 500kg blower fan into position on a Cat 795 electric dump truck a bolt on the lifting link snapped. The fan dropped onto the belly guard and then slid off striking a fitter on the shin.
- While a Komatsu 375 dozer was cleaning up around an excavator, material from the dig face upper bench rilled across the lower catch bench and spilled on to the walkway and through the left side door of the loader.

Fall of ground (7)

- Two closely spaced seismic events resulted in a rockfall of approximately 160t onto the booms of a jumbo drill rig in a development heading.
- While digging at the toe of a quarry face some rocks fell from the face and struck the cab and rear of the Hitachi 35 tonne excavator. The side window of the cab was broken by the impact.
- Rocks fell from the dig face while a Cat D10R dozer was cleaning up in front of the shovel. The rocks spilled over the right hand side of the dozer damaging the walkway handrails and splitting the fuel tank.
- A deputy withdrew a bolting rig and barricaded the area when he noticed the newly installed support taking weight. Returning later he found the roof had fallen above the primary support (>1.8m) to a greasy back fault contact extending back over the adjacent two rows of supported roof.

- A section of ramp near a recent shot failed, resulting in approximately 500t of rock rilling against the side of a dump truck which was being loaded.

Mechanical (10)

- A worker on the tapping floor of a smelter broke two bones in his right forearm when his glove became entangled in the rotation assembly of the drill he was operating to open the tapping hole in one of the furnaces.
- A worker inserted an air spear through the mesh guard on the head drum of a running conveyor to remove spillage. The end of the spear wedged between the drum and the belt. While pulling it out through the guard his hand caught on the mesh causing a cut to a finger which required stitches.
- While pumping high pressure water down a diamond drill hole the cap broke off the discharge line and was ejected 3m down the drive.
- While walking past an oil pump on the deck of a service truck a maintainer brushed his fingers across the breather port of an oil pump. His ring finger was sucked into the breather port contacted the pump piston which amputated the finger at the first knuckle.
- A dump truck reversed over a chock which had been left in position after maintenance. Part of the chock was ejected and flew across the tyre bay shattering the window of a tyre handler parked 6m away.

Vehicle – Collision (13)

- An underground loader reversed around a corner and collided with a parked light vehicle. The driver of the light vehicle did not make radio contact with the loader operator before entering the level and parking.
- A loader which was mucking along a drive collided with the rear of a light vehicle pushing it into another parked light vehicle.
- A Cat 994 loader reversed into the front of an Atlas Copco 6020 dump truck during loading operations.
- Without getting entry permission a service crew in an IT vehicle entered an area where a Cat 2900 loader was operating. The loader reversed into the basket of the IT.
- A Cat D11 dozer reversed into a Komatsu 930E dump truck at a tip head.

- A Komatsu 325 dump truck collided with an elevated fixed conveyor when the operator drove under it with the tray up.
- A Franna crane reversed into a parked light vehicle.

Vehicle – Loss of control (19)

- The prime mover of a water tanker lost braking as it drove down a 10% gradient. The operator drove up onto a muckpile to stop the truck.
- The engine of a Cat 777 water cart shut down as the truck was travelling along the haul road. The brakes locked on and the operator lost steering. The truck slid before coming to a stop at 90° to the direction of travel.
- A Cat D11R dozer was being loaded onto a float, as the dozer reached the pivot point of the loading ramps the float moved forward about 15m and jack-knifed.
- An empty Caterpillar 631E scraper rolled onto its side as it negotiated a corner on an access road that had recently been watered.
- After rain a Hitachi 3500 dump truck lost traction while going down a ramp, slid through 180° and came to rest on the side of the ramp.
- A loaded explosives MMU truck was driving to a shot when it rolled onto its side while making a right hand turn off the main haul road.

Explosion (18)

- Three detonators were found unsecured in the basket of a charge car in a parking bay.
- During shaft sinking a jumbo drilled within 100mm of an unidentified misfire, comprising a 150g booster with a detonator inserted.
- A charge crew used a disc cutter to cut off the end of a cable bolt while working from a Normet charge car basket which was loaded with explosives.
- Fly rock from a shot travelled in excess of 1km. Some rocks landed in front of the shotfirer while others flew over his head.
- A flameproof enclosure on a longwall shearer was damaged.
- While a worker was completing the all clear check before blasting a blockage in an underground crusher he found an electrician in the area who was not tagged on.
- A box of 400g boosters fell out of a shot firer's vehicle.
- A Joy 10SC32 shuttle car ran over and damaged its power cable while back spooling.

- The conductors in a Joy 14CM15 continuous miner power cable were exposed when the miner reversed over the cable.

Fire (30)

- While oxy-acetylene cutting in a pug mill oxygen leaking from a joiner between the oxygen supply hoses ignited when hot slag fell on it. The spotter extinguished the fire by turning off the oxygen bottle.
- A worker was using oxy-acetylene to modify a conveyor guard while standing on the back of a fuel truck to access the guard. The falling sparks ignited leaking gas from the acetylene bottle. A supervisor turned off the gas cylinder valve to extinguish the flame.
- Oil from a burst hydraulic hose in the engine house of a Liebherr 9800 excavator ignited. The fire was extinguished by the on-board fire suppression system.
- Oil from a ruptured hydraulic line sprayed onto the position 2 wheel brake disc of a Komatsu 785E dump truck and ignited. The fire was put out with a hand held extinguisher.
- A small fire started underneath the cabin of an explosives MMU truck which was manufacturing and loading explosive on a bench. Electrical isolation was activated and a hand held extinguisher used to put the fire out. A 2km exclusion zone was established.
- Residual hydraulic oil on the wiring harness of a Cat 16M grader ignited from heat generated from the starter motor. The motor remained engaged due to an electrical fault caused by a hydraulic line rubbing against the wiring harness and exposing the conductors.
- Fine coal accumulated under the tread of a Cat 789 dump truck tyre where there was a cut and missing lug ignited as the truck was driving on a haul road to the ROM. The fire was extinguished by a water truck. A 300m exclusion zone was established and the truck quarantined for 24 hours.

Electrical (22)

- An electrician was installing new conductors into a cable tray when he received a minor electric shock from what was a suspected redundant cable.
- While moving a submersible pump an operator received an electric shock when it started automatically.

- An apprentice boilermaker received an electric shock off a welder while attaching the earth clamp.
- A worker whose clothes were wet from the humid conditions received an electric shock from the power pack of a jumbo drill as it started up.
- A cleaner received an electric shock from a light switch in a toilet block.
- A worker received an electric shock while resetting a tripped 15A circuit in a workshop.
- A drill rig tramping along a haul road with its mast up pulled down an overhead powerline.
- While moving a shovel cable, the cable was pulled from the plug exposing the conductors.
- An arc flash occurred while an apprentice electrician was replacing a faulty relay in an MCC on a P&H 4100C electric shovel.
- A 415V power cable was severed when a skid steer loader which was cleaning up spillage, dislodged a conveyor tail pulley guard and pushed it against the cable.
- While excavating holes to install bollards the auger blade struck a buried 3.3kV power cable.

Other (8)

- A level 4 fume event occurred after firing an overburden shot. The plume was rated as level 1 as it drifted 1.5 km beyond the fume management zone.
- A worker with a pre-existing asthma condition collapsed after suffering respiratory problems from fumes generated during oxy-acetylene cutting in a SAG mill reline.
- A worker rolled both ankles when he stepped onto the ground from a Kress dump truck.

(Reports from previous months are available at: <http://mines.industry.qld.gov.au/safety-and-health/accident-incident-reports.htm>)

Figure 1: July 2013 Incidents (150) by Category

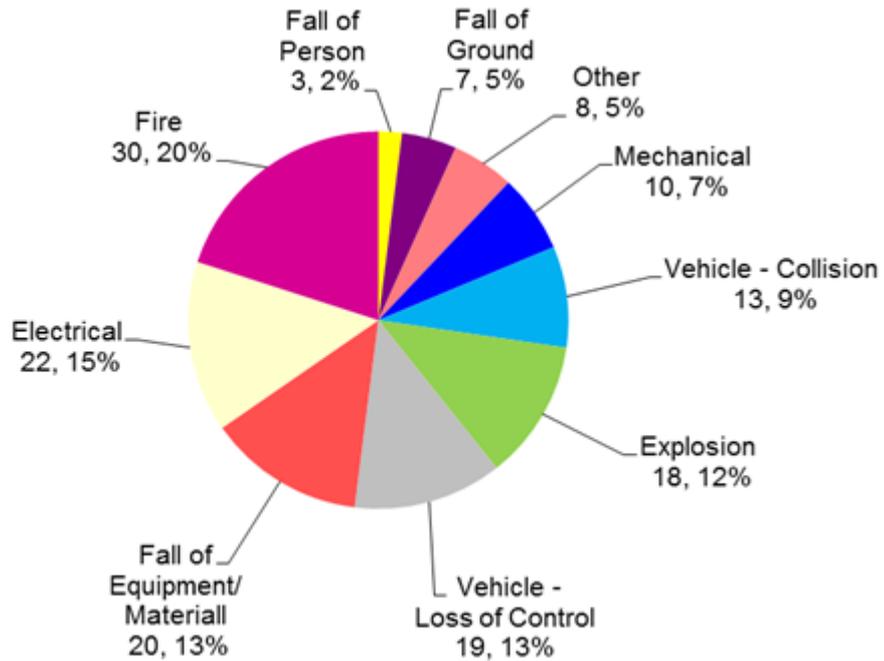
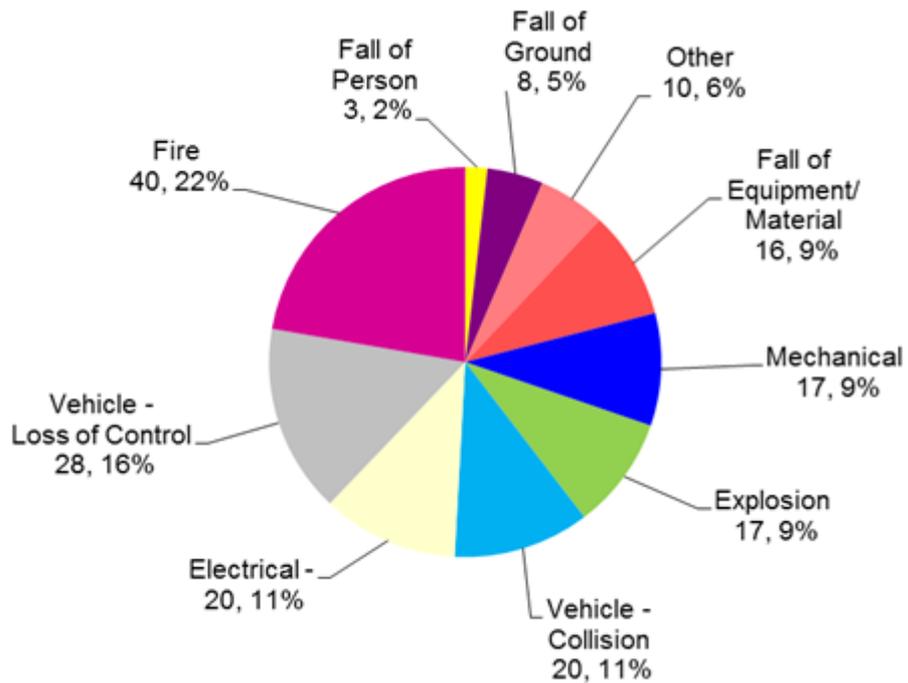


Figure 2: Twelve month rolling average (179 incidents/month) by category



Serious accidents and high potential incidents

Mining and quarrying

Compilation of reports for August 2013

Fall of person (2)

- A Cat D10R dozer operator slipped from the step on the draw bar of the dozer. His right leg caught between the draw bar and machine. He fractured two bones and tore ligaments in his leg.
- While cleaning a pump strainer in a sump, a worker lent on the surrounding hand rail. The handrail swung in and the worker fell into the sump.

Fall of Equipment/Material (20)

- While tipping a load of wet slurry the tray pivot points on a Nissan CW445 10m³ tip truck failed and the tray fell off the truck.
- A truck driver was struck by a mobile crusher guard while the crusher was being trammed off a low loader. The 80kg guard fell 3.4m onto the driver, who sustained severe bruising.
- A site visitor's finger was crushed while connecting a box trailer to the tow bar of a vehicle.
- A wear plate fell from a ROM hopper striking a worker a glancing blow on the shoulder.
- Three spacer plates, each weighing 70kg, fell from a truck and landed next to the truck driver as he prepared to unload the truck.
- A rock fell from loose material on a pit wall and ricocheted off a full lower catch bench and onto a bench where a shot was being loaded. The rock landed outside the bench wall stand-off zone between two rows.
- A large rock was pushed over a pit wall by a dozer during clean up. The rock fell 50m onto a ramp, bounced over the bund and onto a bench 10m below where it struck a production drill rig causing extensive damage.
- While uncovering coal a Cat 6040 excavator slid forward off a bench.

- The rear right wheels of a Hitachi EH4000 dump truck the bund on a tip head while dumping its load.
- While a Hitachi EX5500 excavator was working in an area undermined by old underground workings the ground slumped where the trucks were loaded.
- A member of a development charge crew was working from the basket of a Normet Charmec charge car scaling and cleaning out holes, when the eye of the tilt cylinder failed tipping the basket forward.
- A worker sustained head injuries when struck by a 50kg locking rim which fell against the worker as he was fitting the rim to a Long truck wheel assembly.
- A Cat D11R dozer was working on a bench when the left track dropped from under the dozer. The dozer rolled 360deg and landed on its tracks. The operator sustained minor scratches.
- A stockpile of washed coal slumped and struck a conveyor structure.

Fall of ground (8)

- A structurally controlled wedge in the back of a drive failed resulting in a 40t rockfall.
- While charging up-holes in a stope drawpoint a fall of ground in the stope filled the drawpoint banded exclusion zone, with some large rocks rilling beyond the bund.
- During stope extraction about 1000t of rock fell from the back of the stope when the crown pillar of the stope unravelled and broke through into the top drill crosscut.
- Two roof bolter operators sustained strain injuries when hit by a slab of roof while bolting an intersection.
- A 50m long by 18m high section of pit wall failed with clayey material rilling out 12m from the toe of the wall and in front of a dump truck being loaded by an excavator.

- A failure of an end wall resulted in about 1000m³ of weathered material slipping onto a haul road.
- An opal miner tunnelled from a shaft into a ballroomed section of old workings. The roof of the ballroom collapsed as he was setting up his gear. He managed to escape back to the shaft with bruises and scratches.

Mechanical (10)

- A tyre on a Hitachi 25t dump truck failed catastrophically 10 minutes after it had been repaired.
- A worker was struck by a water hose which dislodged and whipped from the water tank on a portable wash down trailer. He sustained a laceration to his ear requiring stitches.
- While striking a dozer track grouser bolt with a hammer a metal shard flew from the hammer and lodged in the worker's neck.
- The latch arm on a skip contacted a rock bolt and was forced out of position as the skip approached the loading station. The arm then struck the loadout conveyor structure.
- A small rock was ejected from the jaw of a mobile crusher and struck a worker as he looked into the rock box to check the feed. He sustained lacerations to his face and ear.

Vehicle – Collision (16)

- A partially filled bulk explosives truck driving up a decline to the surface ran into the decline wall.
- A light vehicle travelling on an access road struck a cow.
- A Komatsu 960E dump truck reversing to be loaded by a shovel collided with a Cat D10 dozer cleaning up around the shovel.
- A Cat D10T dozer reversed into a Cat 789B dump truck at a tip head.
- A Terex MT 4400 dump truck failed to give way at a signed intersection causing a second Terex MT 4400 to take evasive action while it was turning at the intersection.
- After loading a dump truck a Cat R2900 loader reversed up a decline and into an access to let a light vehicle pass. It reversed into an explosives light vehicle parked in the recess, pushing it into the wall.
- The driver of a Komatsu 785 dump truck had a micro sleep and drifted onto the incorrect side of the road. An oncoming truck took action to avoid a collision.

Vehicle – Loss of control (35)

- As a triple road train entered a ROM and made a left turn the draw bar between the first and second trailers failed. The disconnected trailers rolled about 100m across the ROM coming to rest against a stockpile.
- A refuelling service light vehicle lost traction on a wet section of haul road which was being graded. It veered across the road over the grader rill before rolling onto its side.
- A loaded explosives MMU rolled onto its side while doing a U turn on a ramp. The operator sustained lacerations to his left arm and hand.
- A loaded Cat 777D dump truck lost traction as it came down a shallow ramp. It skidded for about 100m before the operator applied the service brake which resulted in the truck rotating through 90°, stopping and then slowly rolling onto its side.
- A Cat 2.5t forklift manoeuvring in boggy conditions with its tynes raised rolled onto its side when the right steer wheel fell into a washout beside the road.
- A fitter driving a Toyota Hilux up a wet ramp lost control of the vehicle and it rolled onto its side.
- The driver of a Cat 793F dump truck failed to negotiate a left hand corner and made contact with the centre divider.
- A Polaris ATV was parked with the handbrake applied and the wheels chocked. When the chocks were removed, the machine ran forward 3m.
- A twin boom jumbo drill rig with its booms extended tipped onto its side when it was articulated as it reversed out of a workshop service bay.
- A light vehicle rolled onto its side when it ran into the bund on the side of a haul road.
- An empty Komatsu 930E dump truck lost traction travelling down a recently watered ramp. The operator applied the service brake and the truck came to a stop after spinning through 180°.
- While trying to park on a ramp after it had rained a Cat 785 dump truck slid 5m.
- A Cat 773 water truck slid on an overwatered section of road, turned sideways and then rolled on its side when the wheels came in contact with a dry section of road
- A Volvo 220E loader became unstable and rolled onto its side while tipping onto a stockpile.
- The tub of a Cat 740 articulated dump truck rolled onto its side as the truck turned onto a dump.

Explosion (9)

- A loader operator placed an over-sized rock into a bomb bay unaware that misfired explosives were still on other rocks in the bay.
- An unauthorised worker drove onto a bench where a shot was loaded.
- A reversing explosives MMU truck snagged a lead in line and snapped it.
- A light on a Juggernaut loader was damaged compromising its flameproof integrity.
- Electrical conductors were exposed in a longwall shearer trailing cable when the cable was pinched between the shield and the breastby tow arm.
- Several loose bolts were found on a flameproof enclosure on a continuous miner.

Fire (32)

- A fire broke out between the position 3 and 4 tyres of a Komatsu 830 dump truck. A water cart extinguished the flames and an exclusion zone was established and maintained for 24 hours.
- A fuel line failure caused a fire in the engine bay of a Cat D10 dozer. The on-board fire suppression was activated and extinguished the fire.
- Hydraulic oil sprayed onto the exhaust of a Cat D11 dozer and ignited when a hose fitting failed. The on-board fire suppression system and a hand held extinguisher were used to put the fire out.
- Oil spraying from a ruptured hydraulic hose in the engine compartment of a Cat 789C dump truck ignited when it contacted the right hand turbo. A hand held extinguisher was used to put the fire out.
- A fire started in a diesel generator when a piece of oil impregnated sound suppression foam fell onto the exhaust. A dry powder extinguisher was used to put the fire out.
- A fire started in the terminal box between the batteries on an Atlas Copco Pit Viper drill rig. The on-board fire suppression was activated and extinguished the fire.
- Following repairs to the swing rack of a Marion 8200-80 dragline a small grease fire started as a result of friction caused by a piece of metal stuck underneath the swing cassette.
- After a pre-strip shot a small grass fire was discovered behind the shot ground.
- Coal dust combined with a leaking gasket between bushings of a substation ring main

unit caused an arcing fault and a small fire in the ring main unit. A dry powder extinguisher was used to put the fire out.

Electrical (9)

- A laboratory technician opening the door of a volatile matter oven received an electric shock.
- An excavator bucket struck a 415V cable while cleaning up spillage around a thickener underflow pump.
- When a worker dropped a steel plate covering a 440V cable trench it damaged the cable resulting in an arc flash.

Other (8)

- A tele-remote loader was mucking a stope when dust tripped one of the laser barriers. A driller then entered the restricted area to check a breakthrough without securing the second laser barrier or obtaining authorisation to enter.
- A level 3 fume event occurred after a shot, with the fume travelling beyond the fume management zone. A blast guard and 3 other workers were evacuated from the fume path.
- An electrician working in a process plant required medical attention for dehydration.
- An underground coal mine was evacuated when the communications and gas monitoring systems failed.

(Reports from previous months are available at: <http://mines.industry.qld.gov.au/safety-and-health/accident-incident-reports.htm>)

Figure 1: August 2013 Incidents (149) by Category

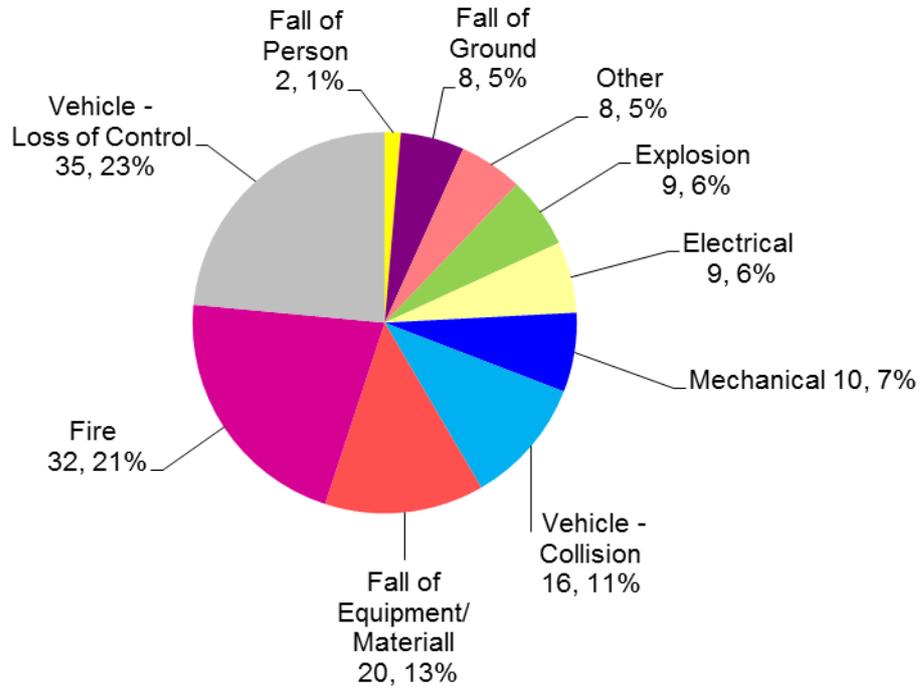
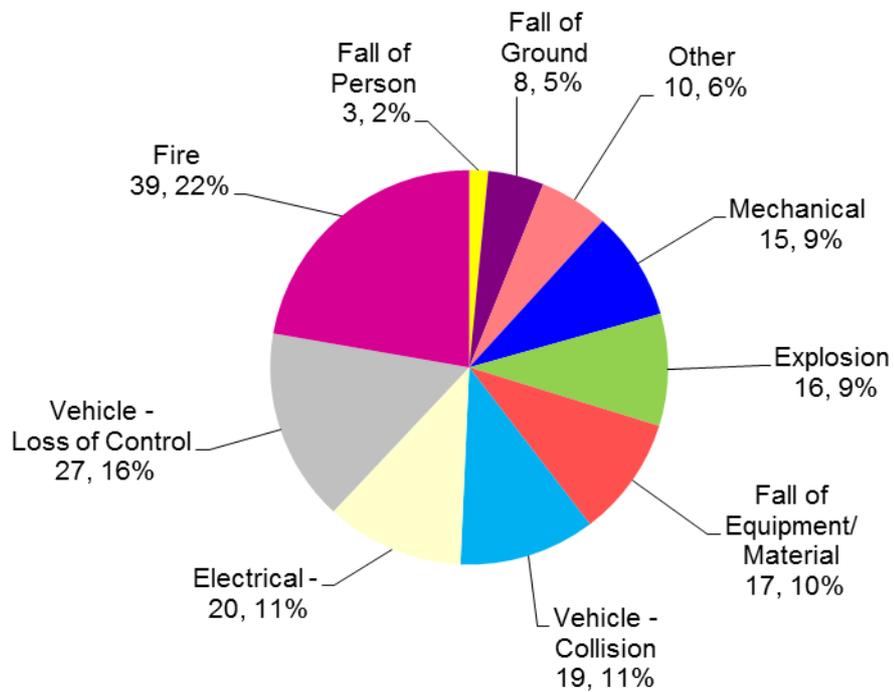


Figure 2: Twelve month rolling average (173 incidents/month) by category



Serious accidents and high potential incidents

Mining and quarrying

Compilation of reports for September 2013

Fall of person (5)

- An operator fractured a vertebra when he fell to the ground as he was getting off his Cat D10 dozer.
- An operator broke his arm when he fell from the mast of a Highlander rockbolting drill rig while trying to insert a chemical capsule into a bolt hole.
- The driver of a Freightliner prime mover jarred his back when he fell to the ground while getting out of the cab.
- The operator of a Cat 24H grader lost his footing while descending the grader access ladder and landed on his back across the blade. He sustained abrasions and soft tissue trauma.
- An electrician was standing on a ladder installing a capacitor on a lighting plant when the light assembly fell from the mast, causing him to fall from the ladder. He sustained a gash to his forearm.

Fall of Equipment/Material (30)

- The hoist rope of a 5t gantry crane broke while workers were positioning a 4t pump motor.
- A Cat 789 dump truck reversed through the berm on a dump and slumped onto the chassis.
- A Cat D10 dozer slid into a drainage trench at the toe of a highwall when the side of the trench gave way.
- While positioning a longwall shield chock a loader operator was unable to tilt the chock back and secure it on the fork attachment. He dropped it back onto the timber packing but it tipped on its side and slid 9m down the concrete rails.
- While loading a shot, the 46kg roller guide assembly on the end of an explosives MMU

truck hose boom fell off and landed next to the hole being loaded.

- A 5kg conveyor cable tray detached and fell 9m to the ground.
- A 6kg light fitting fell 10m to the workshop floor.
- While loading a Komatsu 785 dump truck a large piece of coal rolled off the head board and damaged the walkway near the cabin door.
- A rigger was directing the lift of a worn liner plate out of a SAG mill when the adjacent liner plate slipped down and pinned his right heel. He sustained a compound fracture to his foot.
- The fluid coupling of a lead smelter dross kettle stirrer motor fell 2m to the ground.
- While end-for-ending drag ropes on a dragline a rope caught on the opening to the house. This caused the winch rope to fail and the drag rope to run back through the fairlead and fall to the ground.
- Two 40kg panels fell from the maintenance access door of a P&H 9020 dragline.
- Position 5 and 6 wheels of a Cat 789C dump truck breached the tip head bund as the operator was reversing to tip.
- A Cat D11 dozer dropped 2m when the corner of a tip head slumped.
- A miner was scaling the back using the boom of a single boom jumbo when the boom detached and fell to the ground.
- Two coal prep plant operators were inspecting a crusher below the ROM bin when a large piece of coal fell through a hole in the bin.
- A large rock rolled off a waste dump and over the bund at the toe of the dump and onto a light vehicle access road.

Fall of ground (13)

- During conventional mucking operations 50t of rock fell from a section of supported side wall in the tramming drive.

- 15,000m³ of rock slipped from the highwall of an open cut coal mine four days after a shot.
- 50t of rock fell from the back of a drawpoint when the rockbolts sheared along a failure plain about 1m above the back.
- 2.5t of rock fell from the fibrecrusted back of a drill drive where a production drill was working.
- A section of highwall measuring 50m long by 20m high failed and spilled over the catch trench at the toe of the highwall.
- A bolted section of rib fell from the corner of a sump.
- As a worker was unloading mesh and split-set bolts a 30kg rock fell onto the bonnet of his light vehicle which was positioned under unsupported ground.
- A 40m² and 5m high section of supported roof measuring about fell onto the tail end of a convey belt.
- Clay material fell from an overburden shovel face and struck the rear of a light vehicle parked 6m from the face.

Mechanical (25)

- During winder maintenance a skip being raised at creep speed started to accelerate. The winder driver had to activate the emergency stop.
- A fitter was sprayed in the face by high pressure hydraulic oil when he opened the accumulator relief valve while changing a faulty brake valve on an Elphinstone R2900 underground loader. A small amount of oil entered his right eye.
- Two longwall shields lowered the canopy on to the panline due to a fault in the leg lower circuit solenoid.
- A sharp rock in a dig face ruptured the position 6 tyre sidewall on a Liebherr 282C dump truck. The air blast propelled a rock which stuck a Cat MT4400 dump truck parked 40m away. The rock bent the hand rail and the electrical enclosure covers and broke the passenger side window.
- A worker roughing up a concrete surface using a scabel gun was struck in the groin by the end of a compressed air hose which unscrewed from the barbed fitting.
- The brakes on a shuttle car being towed by a Juggernaut loader applied causing the hook on the towing strop to fail catastrophically.
- A fitter was stuck in the face by a blocked sump pump discharge line while undoing the flanges. He severely lacerated his nose and fractured his left cheek bone.

- A tradesman, using an angle grinder fitted with a cutting wheel to trim an aluminium sign, was hit in the chest by the wheel when the grinder caught and kicked back. He required 25 stitches to a laceration in his chest and stitches to a laceration in his hand.
- While two workers in an EWP basket were repositioning the basket one of the workers crushed his thumb between the basket hand rail and an I-beam. His thumb had to be amputated at the first knuckle.

Vehicle – Collision (27)

- A water truck failed to give way to a haul truck at a T-intersection. Both trucks had to take evasive action.
- A radio communications mix-up resulted in a Komatsu WA 500 loader backing into a Cat 771 dump truck in a stockpile area.
- During a dragline cable move the right front shoe of the dragline collided with an unoccupied Toyota Landcruiser.
- A dump truck operator jarred his neck and shoulders when an excavator bucket contacted the truck tray during loading.
- A medium rigid truck collided with the rear of a water truck which stopped suddenly.
- A Cat D11 dozer pushing material in front of a dragline reversed into the front left side of the dragline.
- A Cat 992G loader reversed into a surveyor's light vehicle that had been given permission to park 20m from the loader. The loader pushed the occupied vehicle 3m sideways before the loader operator was alerted by a nearby dozer operator.
- A ramp without a centre bund was used for hauling operations contrary to the mine's procedures.
- An empty converter pot being transported by an overhead crane in a smelter collided with an excavator parked in the converter aisle.
- A spotter was assisting a mini-excavator operator clean up crusher spillage near power cables. The operator asked the spotter to use a shovel to dig around the cables. While the spotter was digging the operator inadvertently swung the excavator bucket striking the spotter on the leg.

Vehicle – Loss of control (33)

- A loaded dump truck travelling down a ramp straddled the bund when the offside wheels

caught in soft material on the edge of the ramp.

- A light vehicle rolled forward 5m and collided with the decline wall when the driver fell asleep while waiting to collect another worker.
- While driving on a tailings dam the trailer of a Moxy water truck became unstable and rolled over.
- An empty Liebherr T282 dump truck driving down a recently watered ramp lost traction and ran into the bund on the side of the ramp.
- While reversing up a 1:4 drift a fully loaded Eimco loader lost traction and slid about 100m down the drift.
- An operator of a Hitachi 4000 dump truck had a micro sleep and veered into the bund on the side of the haul road.
- An International ACCO 2350G flat-bed truck carrying an exploration drill rig stalled as it drove up a 20-30 degree inclined gravel track. The truck rolled back into the windrow on the side of the track and rolled over. The driver jumped out before the truck rolled onto its side.
- A loaded quad dog trailer attached to a Mack B double rolled onto its side when the truck drove off the haul road as it was leaving a quarry.
- A Cat 623F scraper loaded with topsoil slid and tipped onto its side when the scraper lost traction in wet weather.
- On nightshift an empty explosives transport light vehicle rolled over after exiting an underground mine. The driver made a sharp turn in loose gravel after swerving to miss a bull.
- A loaded Normet agitator driving down a decline started to tip over onto its side when the operator pulled into a recess to allow another vehicle coming up the decline to pass. The agitator ended up leaning over against the wall of the recess.
- A light vehicle lost traction while travelling up a ramp, ran into the centre bund and rolled onto its side.
- A worker in the elevated work basket of a Manitou MT1030s lift truck was isolating a pipe valve when the lift truck rolled backwards for 55m down a 1:7 decline. The operator steered into the wall. The lift truck rolled onto its side dislodging the work basket. The worker in the basket sustained numerous fractures and lacerations while the operator sustained minor injuries.
- An empty Komatsu 930E dump truck lost traction as it started down a ramp. The truck slid on the watered section of ramp and rotated

through 180° before coming to a stop facing up the ramp.

- A loaded Komatsu 830E dump truck travelling down a ramp picked up speed, peaking at 88kph, before the operator applied the service brake to bring the truck under control.

Explosion (3)

- An excavator operator dug past the demarcation into a loaded shot.
- A 400g booster was found in a shot firer's light vehicle when it returned to the mine after an offsite service.
- An arc flash occurred on a longwall when a cable short circuited after being squashed between the SWBP infrastructure and a longwall bedplate. The arc flash ignited a plastic bag which was next to the cable.

Fire (41)

- While cutting a bolt from a screen, acetylene leaking from a crack in the hose connection to the torch ignited.
- Oil from a ruptured hydraulic hose on a Cat 992C loader sprayed onto the exhaust and ignited. The operator used a hand held extinguisher to put out the fire.
- Diesel leaking from a worn fuel line ignited when it contacted the engine of a Reich C750D drill. The operator shut the drill down and extinguished the fire with a hand held extinguisher.
- A small fire started on an Atlas Copco DMM3 drill when the power cable from the alternator was left disconnected after a new starter motor had been installed. The cable fell down and arced on the engine frame. The operator activated the on-board fire suppression system.
- A hydraulic hose failure on a Cat D11T dozer resulted in oil spraying onto the exhaust system and igniting.
- Oil ignited as it leaked onto the turbo of a Cat 6060 excavator. The fire was put out with a hand held extinguisher.
- During hot work on a bucket elevator discharge chute in a coal prep plant slag fell onto a lower screen deck and ignited a polymer screen. The fire was put out with a wash-down hose.
- An ignition of methane gas occurred during an interburden blast in a coal open cut mine.



Electrical (13)

- The low tension end doors of a longwall supply transformer were blown open by an overpressure event caused by the failure of the Bramco phase monitoring barrier which initiated a short circuit condition across the 3.3kV supply.
- While switching on a workshop fan a worker received an electric shock.
- A worker received an electric shock from a welding earth lead which he picked up after it was dislodged.
- A dump truck operator took an alternative route to a workshop and passed under high voltage overhead powerlines with minimal clearance.
- While undertaking isolation for high voltage electrical work on a shovel, the electrical interlocking system was found to be bypassed due to the control circuit being isolated.

Other (8)

- The operator of a Cat articulated water truck was affected by exhaust fumes which entered the cab from a leak around the turbocharger. The operator was treated for carbon monoxide exposure.
- A level 3 fume event occurred after a shot, with the fume travelling 500m beyond the fume management zone when the wind shifted.
- A continuous miner intersected a borehole unexpectedly.
- An underground coal mine was evacuated when an outage in the surface main substation transformer stopped the main ventilation fan.

(Reports from previous months are available at:
<http://mines.industry.qld.gov.au/safety-and-health/accident-incident-reports.htm>)

Figure 1: September 2013 Incidents (198) by Category

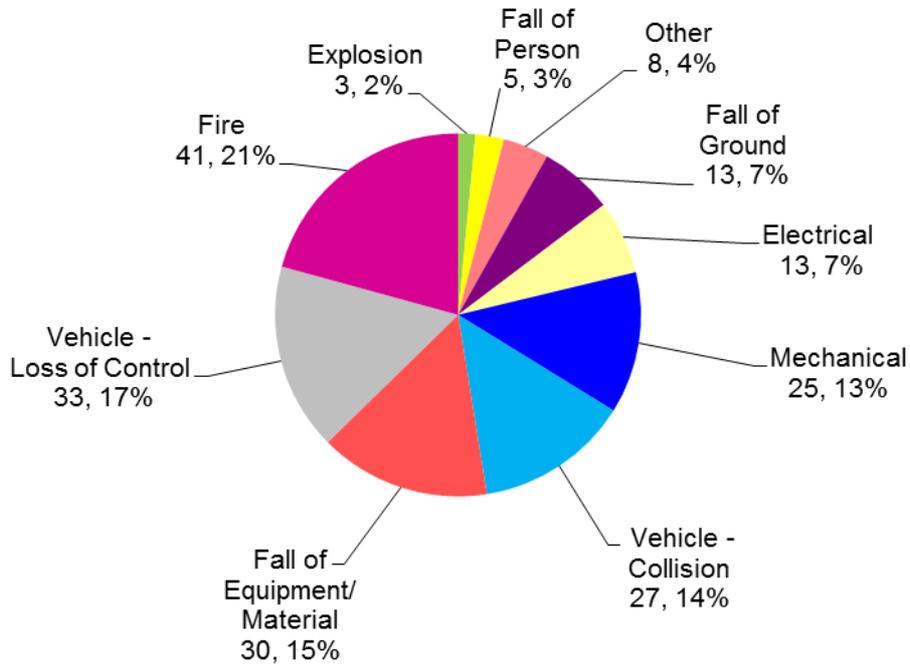


Figure 2: Twelve month rolling average (173 incidents/month) by category

