

# Notifiable and High Potential Incidents

## NSW Metalliferous, Extractives and Other Non-Coal - May 2012

Please review and consider for relevance at your worksite.

### Metalliferous, Extractives & Other Non-Coal

#### Electrical Energy (2)

##### **MHSR 2007 CI 145(d)(ii) involving electricity, vehicle / machinery / other plant makes contact with energised high voltage source involving risk to person (1)**

- Whilst clearing scrub with a large dozer a sapling brushed 11KV lines causing them to arc. [317608919001]

##### **MHSR 2007 CI 145(d)(iii) involving electricity, person receives electric shock from source operating above extra low voltage (1)**

- Operator received an electric shock when he handled a damaged, wet cord socket. Poor maintenance/handling of electric leads was evident. The electrical protection was later tested and found to be functioning. [317608935001]

#### Explosives (1)

##### **MHSR 2007 CI 146(1)(e) significant misfire of explosives (1)**

- Misfire of explosives. Shotfirer gave all clear, came out to mark out next shot and found three undetonated blast holes. [317609043001]

#### Mech Equip Fixed (3)

##### **MHSR 2007 CI 145(c)(i) damage to any plant, equipment, building or structure (1)**

- A winch cable failed whilst removing an overhead protection balloon which had been installed in an ore feed bin in the underground material handling system. There were no injuries. It appears that corrosion on individual strands at the point of failure contributed significantly to the incident. [317608965001]

##### **MHSR 2007 CI 145(c)(v) unintended activation or movement of vehicles/machinery (1)**

- Whilst checking the tension of V-belts for the head conveyor drum, a tradesperson had his finger pinched between the belt and the pulley when the conveyor belt moved unintentionally, causing his thumb nail to be pulled out. It appears other employees were clearing a blockage from the conveyor tail drum which caused a sudden release of tension when cleared and movement of the conveyor belt. [317607814001]

#### Other Notifiable (1)

- Operator injured finger whilst changing a short rubber conveyor belt. Two workers were sliding conveyor and injured person was guiding the belt. Incorrect manual handling and lifting techniques and wearing of protective gloves. [317613561001]

#### Mech Equip Mobile (14)

##### **MHSR 2007 CI 145(c)(v) unintended activation or movement of vehicles/machinery (1)**

- Light vehicle rolled back 30m and ran into the wall. It was left parked in 5th gear, wheels partly turned and hand brake applied. The parking procedure was not followed. [317608310001]

##### **MHSR 2007 CI 145(e) uncontrolled explosion or fire (2)**

- Operator was stockpiling aggregate with front end loader when he noticed smoke and flames coming from the engine bay in the vicinity of the exhaust system. [317607871001]
- Small fire in manifold area of truck from ruptured turbo line. Engine oil sprayed onto hot exhaust manifold. Split return pipe (turbo). [317608798001]

##### **MHSR 2007 CI 145(f) escape of fluid under high pressure that endangers a person (2)**

- Fitter was conducting hydraulic fluid leak test on excavator when one of the plugs on the filter case that was changed during the maintenance was ejected at around 4000psi, injuring hand. Wrong plug was used for the filter case. [317608835001]
- A portable 5hp motor with pump was feeding the screen when it stopped working. The loader operator went to investigate and opened the water priming cap and was sprayed with boiling water on arm and face requiring hospitalisation. [317609292001]

##### **MHSR 2007 CI 145(g) uncontrolled issue of gas or fluids (2)**

- Rock spilled from a crowded loader bucket and damaged the hydraulic hose coupling causing hydraulic fluid to escape into the work environment. Nobody was injured or exposed to hydraulic fluid. [317607828001]
- An O-ring on the hydraulic ram of an excavator failed, causing hydraulic fluid to leak onto quarry floor. No persons were exposed to the fluid. [317608446001]

##### **MHSR 2007 CI 145(i) collision involving vehicle or other machinery that results in substantial damage, impedes safe operations (1)**

- Front end loader reversed into a water truck that came into the working area. [317608688001]

##### **MHSR 2007 CI 145(j) loss of control of vehicle or other machinery (4)**

- A front end loader was being used to extend an earthen roadway across a shallow tailings dam. The loader operator reversed onto soft ground at the edge of the roadway. The right hand side wheels sunk into the soft ground and the loader tilted over to approx. 60 degrees to the horizontal and became bogged. [317607917001]
- Driver of light vehicle lost steering while driving down decline when knuckle in drag link came off and connection to the steering box was lost. [317608240001]
- Loss of traction of haul truck during gear changing due to greasy road after showers in-pit. Result was minor damage to truck when ladder hit high wall. [317608300001]
- Driver of light vehicle lost steering while driving when the steering arm fell out of kingpin bearing when studs fell off. [317608410001]

## Metalliferous, Extractives & Other Non-Coal

### Mech Equip Mobile (14)

#### MHSR 2007 CI 145(k) overturning of vehicle or other machinery (2)

- An articulated dump truck slid back over a tipping bund when commencing to tip, causing the rear wheels to be bogged and the front cab to be raised off the ground and turned over. The apparent cause was a combination of tipping on a downward slope and clay material giving way at the tipping point as the truck slid backwards. No injuries occurred. [317607873001]
- Truck prime mover and the 1st trailer of the double configuration rolled whilst stationary on side of access road to site. The shoulder of the road was cambered fairly steeply and during the tipping of the load the centre of gravity passed the point of stability. [317608811001]

### Strata/Ground Control (1)

#### MHSR 2007 CI 145(n) unplanned fall of ground that impedes passage, disrupts production or ventilation or involves failure of ground support where persons could be present (1)

- About 50t of side wall fell onto the bund. Ground deterioration and support failure. Fall off into stope. No damage or injury. People were in the area. [317608016001]

### Water (1)

#### MHSR 2007 CI 145(h) abnormal inrush of fluid materials (1)

- Abnormal volume of water flowing into shaft. Suspected source of water reported to be tailings disposal from the commissioning of a new concentrator. [317608352001]

### Work Environment (5)

#### MHSR 2007 CI 145(c)(v) unintended activation or movement of vehicles/machinery (1)

- While hitching a trailer to a stationary vehicle (utility) the trailer rolled forward crushing the middle finger on the left hand. The result was loss of the finger tip. The trailer may have moved quickly due to uneven ground. [317608292001]

#### MHSR 2007 CI 145(e) uncontrolled explosion or fire (1)

- Sea containers destroyed by fire with loss of spares and stores - no injuries and likely cause was attributed to a discarded cigarette [317607866001]

### Other Notifiable (3)

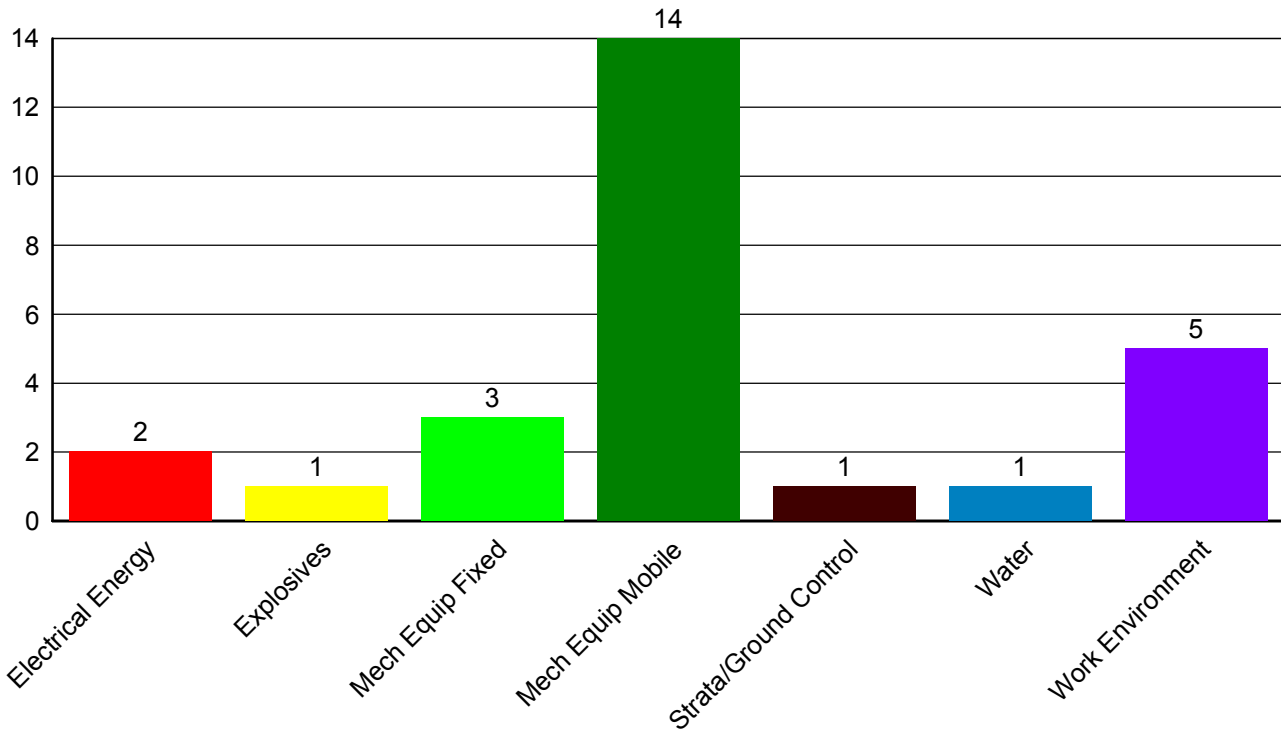
- Wrist cut when hand slipped while using disc sander to remove rubber/silastic from flange on slurry distribution box at concentrator. Unguarded abrasive disc was larger in diameter than rubber backing plate. [317608314001]
- Operator top finger joint partially severed by rock falling from face while installing lifter tubes. Micro surgery restored finger. [317608304001]
- Operator disembarked from machine onto uneven surface, twisting both knees, and subsequently unable to perform normal duties for >7 days [317609910001]

**Number of Notifiable and High Potential Incidents  
NSW Metalliferous, Extractives & Other Non-Coal -  
May 2012: 27**

**Summary**

		Total
Electrical Energy	MHSR 2007 CI 145(d)(ii) involving electricity, vehicle / machinery / other plant makes contact with energised high voltage source involving risk to person	1
	MHSR 2007 CI 145(d)(iii) involving electricity, person receives electric shock from source operating above extra low voltage	1
	<b>Total</b>	<b>2</b>
Explosives	MHSR 2007 CI 146(1)(e) significant misfire of explosives	1
	<b>Total</b>	<b>1</b>
Mech Equip Fixed	MHSR 2007 CI 145(c)(i) damage to any plant, equipment, building or structure	1
	MHSR 2007 CI 145(c)(v) unintended activation or movement of vehicles/machinery	1
	Other Notifiable	1
	<b>Total</b>	<b>3</b>
Mech Equip Mobile	MHSR 2007 CI 145(c)(v) unintended activation or movement of vehicles/machinery	1
	MHSR 2007 CI 145(e) uncontrolled explosion or fire	2
	MHSR 2007 CI 145(f) escape of fluid under high pressure that endangers a person	2
	MHSR 2007 CI 145(g) uncontrolled issue of gas or fluids	2
	MHSR 2007 CI 145(i) collision involving vehicle or other machinery that results in substantial damage, impedes safe operations	1
	MHSR 2007 CI 145(j) loss of control of vehicle or other machinery	4
	MHSR 2007 CI 145(k) overturning of vehicle or other machinery	2
	<b>Total</b>	<b>14</b>
Strata/Ground Control	MHSR 2007 CI 145(n) unplanned fall of ground that impedes passage, disrupts production or ventilation or involves failure of ground support where persons	1
	<b>Total</b>	<b>1</b>
Water	MHSR 2007 CI 145(h) abnormal inrush of fluid materials	1
	<b>Total</b>	<b>1</b>
Work Environment	MHSR 2007 CI 145(c)(v) unintended activation or movement of vehicles/machinery	1
	MHSR 2007 CI 145(e) uncontrolled explosion or fire	1

		<b>Total</b>
<b>Work Environment</b>	<b>Other Notifiable</b>	3
	<b>Total</b>	5
<b>Total</b>		27



For further information, please contact your local NSW Trade & Investment Mine Safety Office.

A list of NSW Trade & Investment Mine Safety Offices and contact details can be found at :

<http://www.resources.nsw.gov.au/safety/mine-safety-offices>