

# Notifiable and High Potential Incidents

NSW Metalliferous, Extractives and Other Non-Coal - December 2012

Please review and consider for relevance at your worksite.

## Metalliferous, Extractives & Other Non-Coal

### Electrical Energy (4)

#### MHSR 2007 CI 145(d)(iii) involving electricity, person receives electric shock from source operating above extra low voltage (4)

- Worker received electric shock to right arm when removing laptop power supply from an unswitched power board. Shock was found to have come from residual charge from the laptop power supply, not from the power board. [317617060001]
- Operator received an electric shock from a reverse cycle split system air conditioner. Water had built up inside the air conditioning unit. The air conditioner being used wasn't suitably rated for use in a wet area. The unit was replaced by an externally located air conditioner suitable for the application. Procedures concerning the introduction of plant into the mine were reviewed and adjusted to prevent non FFP equipment being used on site. [317617068001]
- A contract diesel mechanic received an electric shock from a wet stop/start station of a 415V pressure cleaner whilst working at maintenance bay. The victim was taken to hospital by ambulance. ECG proved normal and returned home when released. All similar pressure cleaners removed from service until examined. [317616513001]
- A contract labourer received a suspect electric shock from a 415 volt vulcanizer while belt splicing a conveyor belt on the surface of an underground mine. The victim was escorted to hospital and later released when the ECG proved normal. The operator is investigating the electrical integrity of the equipment, introduction of plant to site procedures and maintenance activities for this type of plant. [317616636001]

### Explosives (1)

#### MHSR 2007 CI 146(1)(f) problem or fault in explosive product or accessory (1)

- Undetonated pre-split product found on ramp during post-blast clearance [317616464001]

### Mech Equip Fixed (2)

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

- The shaft of a bend pulley on a take-up arrangement in a conveyor circuit failed allowing the 750kg pulley to fall some 25m to the tower bottom. There were no injuries to any personnel. [317617086001]

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

- A bearing in a mill gearbox failed unexpectedly on the high speed input shaft causing excessive temperatures and allowing the oil to leak out and ignite. The fire was extinguished using handheld extinguishers. There were no injuries. [317616174001]

### Mech Equip Mobile (12)

#### MHSR 2007 CI 145(c)(i) damage to any plant, equipment, building or structure (2)

- After tipping a load, the operator of a haul truck continued to drive away with the tray up. The tray came in contact with a platform on a pugmill, causing minor damage to the structure. The haul truck was not fitted with a "tray up" warning system. [317616321001]
- A front end loader was clearing material in preparation for maintenance of a reclaim tunnel structure when it damaged the structure. Large loader was not fit for purpose equipment, and no spotter was used during this procedure at night. [317616730001]

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

- A water cart moved approximately 1 metre from a parked position with no operator in the cabin and came to rest against a mobile screen. While a mobile screen was being washed for maintenance, the water cart operator exited the cabin to check the water level in the tank via a ladder next to the operator's cabin. While on the tank the operator noticed the truck was slowly moving and climbed back into the cabin as it came to rest against the mobile screen. The water cart park-break system was tested by the OEM and no mechanical fault was found. [317617051001]

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

- Whilst at the surface waste dump, an underground haul truck sustained a fire in the engine bay. Initial indications are that an oil line to the fuel pump has ruptured spilling oil onto the exhaust manifold which then ignited. The on-board fire suppression was deployed and extinguished the fire. There were no injuries. [317617211001]
- A fire started in the engine bay of an underground haul truck when it appears that foreign material left from maintenance activities fell onto the exhaust manifold and ignited. The operator immediately activated the on-board fire suppression system and also deployed a fire extinguisher to ensure the fire was extinguished as quickly as possible. There were no injuries to any personnel. [317617092001]

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

- Light vehicle left hand front wheel hub came away. Vehicle blocked decline. Suspected bearing failure. [317616634001]
- Whilst working underground, a contractor was lowering the tilt tray of the truck he had just loaded an EWP onto, when the truck began to slowly roll forward gathering momentum and travelling approximately 100m before coming to rest against the entrance door of the refuge chamber. There were no injuries to any personnel. [317617082001]
- A 30 tonne excavator was constructing a path around a decant water pond at the bottom of an open cut. While pushing back a wall next to the pond part of the path collapsed into the pond and the excavator tracks slid off the solid rock into the pond. [317617088001]
- Driver lost control of light vehicle. Apparent cause was foot brake failure. [317617308001]

## Metalliferous, Extractives & Other Non-Coal

### Mech Equip Mobile (12)

#### MHSR 2007 CI 145(k) overturning of vehicle or other machinery (1)

- Operator driving a loaded concrete agitator truck downhill around a left hand bend, drove over a rock and the rear section toppled. Momentum of turning and pitching upwards on rock caused agitator bowl to topple rear end of machine over on its side. [317616448001]

#### MHSR 2007 CI 145(p) burial of machinery such that it cannot be recovered under its own tractive effort (1)

- The bund and crest of a manufactured sand stockpile gave way while a haul truck commenced tipping against the bund. The haultruck slumped and slipped backwards partially down the stockpile slope. No injuries occurred and the truck was recovered by an excavator. [317616618001]

### Other Notifiable (1)

- Drillers assistant had part of his middle finger amputated when the breakout lever was accidentally engaged while rods were being pulled out. Finger was crushed between breakout tool and fool clamps. [317616580001]

### Strata/Ground Control (4)

#### 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 (4)

- A fall of ground occurred in an underground truck load bay causing damage to a truck. Approximately 2 tonnes of material fell from about 2 metres height (off drive wall). Minor damage to the truck mudguard and engine oil cooler. No injuries [317616531001]
- A piece of rock and out of specification shotcrete fell onto a light vehicle cabin causing significant damage. Area was affected by groundwater seepage. [317617776001]
- Significant fall of ground on sidewall of access ramp, possibly triggered by nearby stope firing. Fall did not impact on the travelling way itself, but did compromise the support on the sidewall. [317619219001]
- An estimated 1t-2t of material fell from sidewall and shoulder of access ramp due to deterioration of ground support in drive sidewall. [317619217001]

### Work Environment (5)

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

- Fire caused by a cigarette butt being discarded into a dry mop bucket. The fire was extinguished using water and a fire extinguisher. [317616099001]
- Small fire in timber and vent bag stored adjacent to diesel operated air compressor. Heat from exhaust ignited timber and vent bag. Fire extinguished by nearby operators with hand held extinguisher. [317617090001]

#### MHSR 2007 CI 146(1)(g) progressive stope or progressive pillar collapse (1)

- A development jumbo operator was struck on his left leg by a jumbo trailing cable which had been pulled from a quad hook hanger by a traming jumbo [317616567001]

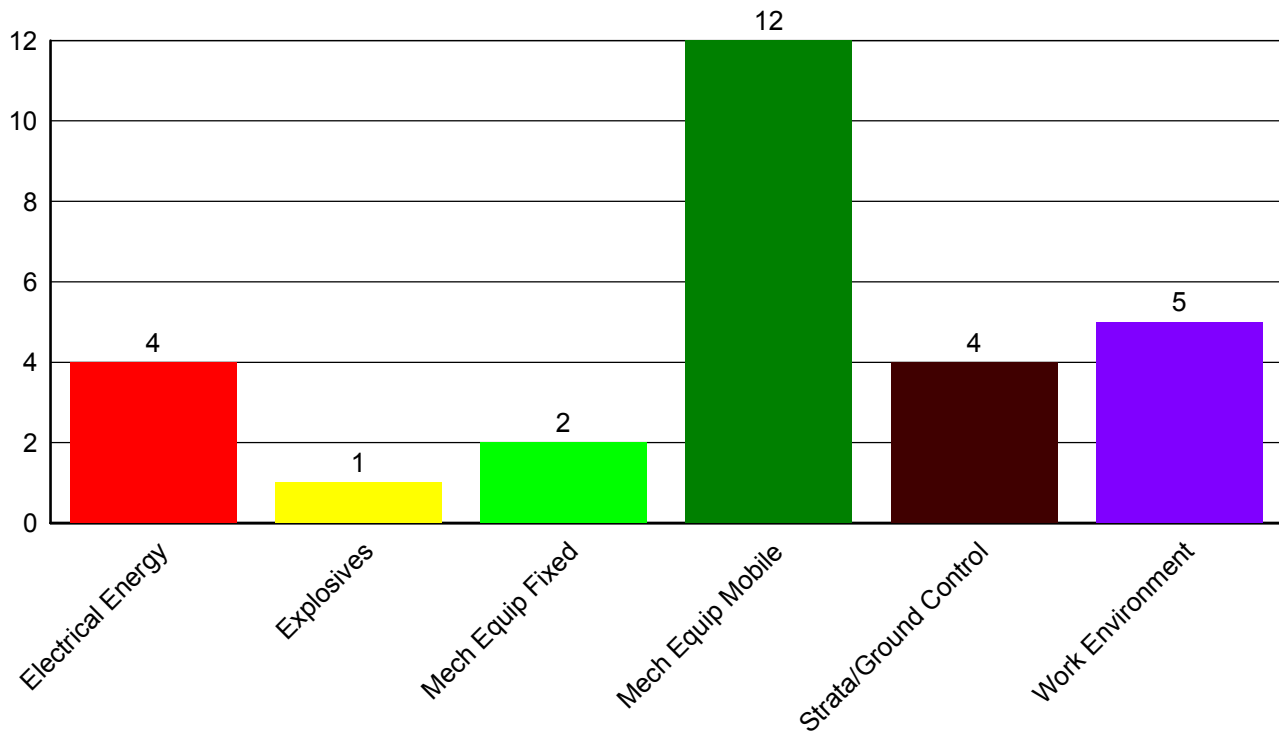
### Other Notifiable (2)

- Operator fell from steps when conducting sampling in mill [317617464001]
- Worker tripped while carrying a piece of dimension sandstone to stack a pallet. When the victim fell to the ground, the sandstone fell onto his fingers, causing a fracture of his left ring finger and little finger. [317616269001]

**Number of Notifiable and High Potential Incidents NSW Metalliferous, Extractives & Other Non-Coal - December 2012: 28**

**Summary**

<b>Summary</b>		<b>Total</b>
<b>Electrical Energy</b>	<b>MHSR 2007 CI 145(d)(iii) involving electricity, person receives electric shock from source operating above extra low voltage</b>	4
	<b>Total</b>	4
<b>Explosives</b>	<b>MHSR 2007 CI 146(1)(f) problem or fault in explosive product or accessory</b>	1
	<b>Total</b>	1
<b>Mech Equip Fixed</b>	<b>MHSR 2007 CI 145(c)(i) damage to any plant, equipment, building or structure</b>	1
	<b>MHSR 2007 CI 145(e) uncontrolled explosion or fire</b>	1
	<b>Total</b>	2
<b>Mech Equip Mobile</b>	<b>MHSR 2007 CI 145(c)(i) damage to any plant, equipment, building or structure</b>	2
	<b>MHSR 2007 CI 145(c)(v) unintended activation or movement of vehicles/machinery</b>	1
	<b>MHSR 2007 CI 145(e) uncontrolled explosion or fire</b>	2
	<b>MHSR 2007 CI 145(j) loss of control of vehicle or other machinery</b>	4
	<b>MHSR 2007 CI 145(k) overturning of vehicle or other machinery</b>	1
	<b>MHSR 2007 CI 145(p) burial of machinery such that it cannot be recovered under its own tractive effort</b>	1
	<b>Other Notifiable</b>	1
	<b>Total</b>	12
<b>Strata/Ground Control</b>	<b>MHSR 2007 CI 145(n) unplanned fall of ground that impedes passage, disrupts production or ventilation or involves failure of ground support where persons</b>	4
	<b>Total</b>	4
<b>Work Environment</b>	<b>MHSR 2007 CI 145(e) uncontrolled explosion or fire</b>	2
	<b>MHSR 2007 CI 146(1)(g) progressive stope or progressive pillar collapse</b>	1
	<b>Other Notifiable</b>	2
	<b>Total</b>	5
<b>Total</b>		28



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>