

# Notifiable and High Potential Incidents

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

Please review and consider for relevance at your worksite.

### Metalliferous, Extractives & Other Non-Coal

#### Electrical Energy (1)

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

- Electric shock received by fitter when retractable 240V extension lead was pulled and plug came off, causing contact between live conductors and his hand. [317604035001]

#### Gas (2)

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

- Uncontrolled fire from gas intersected in drill hole. [317603999001]
- Gas intersected in drill hole ignited when jumbo steel was retracted. [317604163001]

#### Mech Equip Fixed (1)

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

- Electric shock received by boilermaker when attempting to remove 12 volt battery pack (for cordless drill) from 240V battery charger. Initial investigation suggests that high humidity and damp hands may have contributed to the incident. [317604491001]

#### Mech Equip Mobile (15)

##### **MHSR 2007 CI 145(c)(ii) imminent risk of explosion or fire (2)**

- Hydraulics fitting on the brake accumulator line on an explosives 'charge-up' machine failed causing hydraulic oil to spray onto the machine's hot exhaust system and consequently starting a fire. Whilst the machine was fitted with fire suppression, the operator extinguished the fire with a hand held fire extinguisher and an emergency response was initiated. There were no injuries to any personnel. [317604105001]
- Small fire on a near new diesel generator being used underground. OEM wiring had been modified to add an isolation switch and an E-stop switch [317604118001]

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

- Whilst winching a belt into position for the first time on a new underground conveyor installation, the rope catastrophically failed allowing the belt to run back some 200 meters before coming to a stop. The conveyor was roof mounted on a 1 in 6 incline and damaged some rollers and the frames on which they were mounted during the rollback. No injuries. [317604685001]

##### **MHSR 2007 CI 145(e) uncontrolled explosion or fire (3)**

- Fire in LHD engine bay caused by crack in diesel tank. [317603995001]

- Fire in LHD engine bay caused by crack in diesel tank from patch repair. [317604001001]
- The operator of an underground loader noticed smoke from the engine bay. Activated on board fire suppression and used hand held extinguisher on flames. Fan to axle/differential oil cooler had ignited. Fan had malfunctioned probably due to age related causes. Mine has replaced oil cooler fans on all equivalent loaders in accordance with current OEM safety alerts/bulletins. [317604435001]

##### **MHSR 2007 CI 145(g) uncontrolled issue of gas or fluids (1)**

- An excavator became bogged due to heavy rain over a weekend. Whilst attempting to recover the machine a hydraulic hose was damaged, spraying oil into the air. No injuries. [317606988001]

##### **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 dump truck, damaging truck trim and loader counterweight. Operator failed to follow reversing procedure and reversing alarm not wired correctly. No injuries. [317604060001]

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

- An operator of a dumptruck reported that whilst driving the truck in the main decline the truck suddenly veered off to the left and collided with the drive wall. Initial investigations found that the trucks steering systems were functioning normally. Minor damage to the truck and no injury to personnel. [317603667001]
- Loss of control of vehicle when tow chain broke whilst attempting to tow and the unit rolled backwards into a light vehicle. Inadequate risk assessment and underrated chains used to tow the unit. [317603991001]
- A contractor's loaded dump truck tramping up an access ramp to a tailings dam slid off the outer edge and came to rest with one side of the truck off the edge of the ramp. The ramp was being widened and the outer edge was not sufficiently compacted to support the mass of the truck and did not have a safety bund. [317604483001]
- An on highway concrete agitator truck lost control while descending a ramp in an underground mine and impacted the wall. The truck driver reported a steering failure. Investigation determined truck lost traction on slippery road surface, inappropriate tyres, and truck not fit for purpose. [317604329001]

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

- Mini excavator rolled on to its side when a loading ramp slipped from the rear of the truck - No locking pins [317603950001]
- Light vehicle rolled onto its side when driver swerved to miss a kangaroo. [317604273001]

##### **High Potential (1)**

## Metalliferous, Extractives & Other Non-Coal

### Mech Equip Mobile (15)

#### High Potential (1)

- Loader drove over open hole and came to rest over open hole. Inadequate demarcation of open hole. [317604085001]

### 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)

- The mine reported that a stope firing has apparently caused a breakthrough into an unknown void below a 20 sublevel drive. A large void was picked up by CMIS survey. The area has been 'no-roaded' and filling strategy implemented. Nil injuries and no equipment damage. [317604009001]

### Work Environment (1)

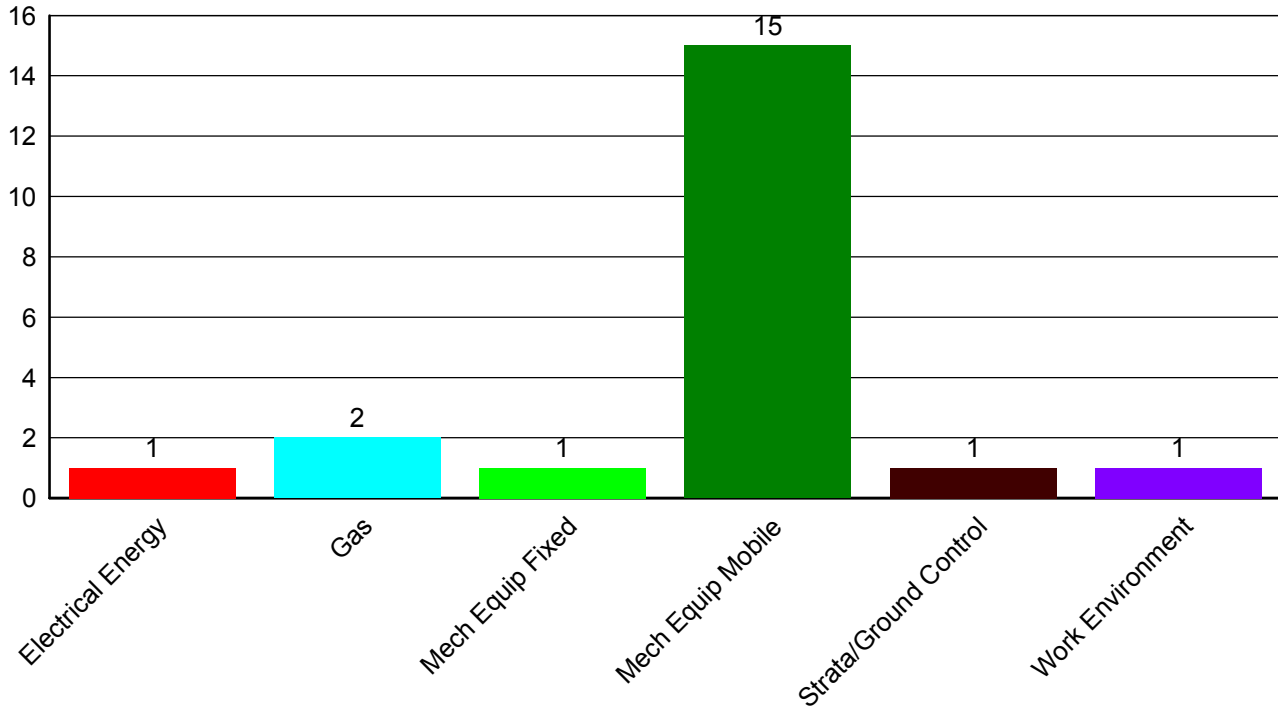
#### MHSR 2007 CI 145(n) unplanned fall of ground that impedes passage, disrupts production or ventilation or involves failure of ground support where persons could be present (1)

- Fall of ground in development drive due to wedge formed between two faults [317604310001]

**Number of Notifiable and High Potential Incidents  
NSW Metalliferous, Extractives & Other Non-Coal -  
January 2012: 21**

**Summary**

|                              |  | <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>                              | 1            |
|                              | <b>Total</b>   | 1            |
| <b>Gas</b>                   | <b>MHSR 2007 CI 145(e) uncontrolled explosion or fire</b>  | 2            |
|                              | <b>Total</b>   | 2            |
| <b>Mech Equip Fixed</b>      | <b>MHSR 2007 CI 145(d)(iii) involving electricity, person receives electric shock from source operating above extra low voltage</b>                              | 1            |
|                              | <b>Total</b>   | 1            |
| <b>Mech Equip Mobile</b>     | <b>MHSR 2007 CI 145(c)(ii) imminent risk of explosion or fire</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>  | 3            |
|                              | <b>MHSR 2007 CI 145(g) uncontrolled issue of gas or fluids</b>   | 1            |
|                              | <b>MHSR 2007 CI 145(i) collision involving vehicle or other machinery that results in substantial damage, impedes safe operations</b>                            | 1            |
|                              | <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>   | 2            |
|                              | <b>High Potential</b>  | 1            |
|                              | <b>Total</b>   | 15           |
| <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> | 1            |
|                              | <b>Total</b>   | 1            |
| <b>Work Environment</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> | 1            |
|                              | <b>Total</b>   | 1            |
| <b>Total</b>                 |  | <b>21</b>    |



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>