

# GGSSA Safety Incident Reporting System

Industry report

Year 2017

## Quarter 4

Each report now covers the most recently reported quarter and the three prior quarters to provide a rolling annual picture. The indicators shown provide information on:

### **Company participation**

Exposure as mobilisation and surveying hours per quarter Incidents occurring standardised to rate per 100,000 hours Persons injured per 100,000 hours total as an indicator of more severe incidents

## <u>Summary</u>

\*Member participation numbers and participation rates return to a better level, 11 of 13 eligible members provided data.

\*Exposure hours for both mobilisation and surveying increased with surveying showing a greater rise.

\* A total of nine incidents were reported. Of these, two involved personal injury as an outcome.,



Each incident may have more than one risk level reported. It is noted that none of the reports used the identified risk category. This contrasts with previous patterns. It is possible that companies are confusing the categories. An identified risk is one where the risk was noticed and managed before the risk became active. A near miss means that the risk was active but was avoided by luck rather than preventive risk management.





The number of hours spent on surveying over the last year fell slightly. This may be due to three and four companies respectively failing to report. Mobilisation hours have increased marginally in the last quarter while Surveying hours have increased to earlier levels this quarter.



The rate of persons injured per 100,000 hours of exposure is an indicator of incidents at the more severe end of the scale. The number of mobilisation hours is small compared to surveying hours. Over the last year there have been 11 persons injured while surveying and none during mobilisation. There appears to be a trend downward in persons injured rates despite the hiccup in the third quarter where two severe personal injuries were reported.



## GGSSA Detailed Incident Report 2017 Q4 Entries

Personal injury incidents	
	2017 Q4
Company identifier	SAb6M6
Incident Date	23 Oct 2017
<b>Incident description</b> Operator slipped while doing magnetics in very difficult survey topography and got a fracture in a finger.	
Types of incident	Injury to person or persons
Operational phase	Surveying
Survey type	✓Magnetic
Human and system factors	<ul> <li>Strength exceeded (a person was exposed to energy level or weight that was beyond their physical capacity)</li> <li>Fatigue (fatigue contributed to misjudgement or failure to follow procedure)</li> </ul>
Contributing factors	Exposure to natural elements (e.g. sun and hot weather)
Mechanism of injury factors	Fall on level < 1.2m (slip, trip, stumble)
Lost person hours	8
Number of persons injured	1

#### Injury event

The following section is required where one or more persons have suffered an injury, no matter how minor, as a result of this incident.

Treatment type	Doctor's room, emergency department or outpatient treatment
Body part injured	Upper limb (arm and/or hand)
Nature of injury	✓Fracture
Number of persons with permanent disabilities	0
Number of hospital inpatient days	0
Number of fatalities	0
	2017 Q4
Company identifier	SAb6M6
Incident Date	13 Oct 2017

#### **Incident description**

Operator had sore leg after rough topography walking. Required medical visit and some rubbing cream was given to him and one day rest.

Types of incident	Occurrence of damage or harm
Operational phase	Surveying
Survey type	<ul> <li>✓Magnetic</li> </ul>
Human and system factors	Strength exceeded (a person was exposed to energy level or weight that was beyond their physical capacity)
Contributing factors	Difficult topography
Mechanism of injury factors	
Lost person hours	6
Number of persons injured	1

## Injury event

The following section is required where one or more persons have suffered an injury, no matter how minor, as a result of this incident.

Treatment type	✓First aid
Body part injured	Lower limb (leg and/or foot)
Nature of injury	✓Sore muscle
Number of persons with permanent disabilities	0
Number of hospital inpatient days	0
Number of fatalities	0

## Other incidents

2017 Q4

#### **Incident Date**

04 Dec 2018

#### **Incident description**

Vehicle damage through thick bush.

Crank position sensor ripped out preventing vehicle from starting

#### Types of incident

✓Occurrence of damage or harm

Operational phase	Surveying
Survey type	✓EM
Human and system factors	
Contributing factors	Thick bush
Mechanism of injury factors	
Lost person hours	60
Number of persons injured	0
Number of persons with permanent disabilities	
Number of hospital inpatient days	
Number of fatalities	
	2017 Q4
Incident Date	14 Oct 2018
Incident description Rough road punctured hole in vehicle t	ransmission sump.
Types of incident	Occurrence of damage or harm
Operational phase	Mobilisation
Survey type	✓EM
Human and system factors	✓Nil
Contributing factors	<ul> <li>Mechanical failure (e.g. failure of a structure, mechanical breakdown or other physical fault of equipment)</li> <li>Motor vehicle or road surface (e.g. pothole caused loss of control)</li> </ul>
Mechanism of injury factors	
Lost person hours	60
Number of persons injured	0
Number of persons with permanent disabilities	
Number of hospital inpatient days	
Number of fatalities	
	2017 Q4
Incident Date	01 Nov 2017

## Incident description

Driver agreed to drive his vehicle on a steep slope, when trying to return to the road, the vehicle remains stuck on the slope and cannot be removed normally, should enter machinery for retirement.

Types of incident	✓Near miss
Operational phase	Surveying
Survey type	✓IP
Human and system factors	<ul> <li>Failure to adhere to SOP (e.g. missed a step in a defined standard operation procedure)</li> <li>Misjudgement of risk (a person underestimated the level of risk in a task or operation)</li> </ul>
Contributing factors	<ul> <li>Motor vehicle or road surface (e.g. pothole caused loss of control)</li> <li>Traveling surface</li> </ul>
Mechanism of injury factors	
Lost person hours	0
Number of persons injured	0
Number of persons with permanent disabilities	
Number of hospital inpatient days	
Number of fatalities	
	2017 Q4
Incident Date	24 Nov 2017
Incident description Near Miss	
Types of incident	✓Near miss
Operational phase	Surveying
Survey type	✓Gradient IP
Human and system factors	Procedural deficiency (standard procedure was not adequate to prevent harm)
Contributing factors	Mechanical failure (e.g. failure of a structure, mechanical breakdown or other physical fault of equipment)
Mechanism of injury factors	Being hit by object (object is moving and strikes a stationary or moving person)
Lost person hours	0

Number of persons injured	0
Number of persons with permanent disabilities	
Number of hospital inpatient days	
Number of fatalities	
	2017 Q4
Incident Date	15 Nov 2017
Incident description Incident	
Types of incident	Injury to person or persons
Operational phase	Surveying
Survey type	✓DDIP
Human and system factors	Failure to adhere to SOP (e.g. missed a step in a defined standard operation procedure)
Contributing factors	Failed Drug and Alcohol test
Mechanism of injury factors	✓Not Applicable
Lost person hours	0
Number of persons injured	0
Number of persons with permanent disabilities	
Number of hospital inpatient days	
Number of fatalities	
	2017 Q4
Incident Date	15 Oct 2017
Incident description Near Miss	
Types of incident	✓Near miss
Operational phase	Surveying
Survey type	✓PDIP
Human and system factors	Fatigue (fatigue contributed to misjudgement or failure to follow procedure)

Contributing factors	<ul> <li>✓Uncontrolled Fauna</li> </ul>
Mechanism of injury factors	Envenomation (e.g. spider or insect bite, snake bite, cone shell or jellyfish sting)
Lost person hours	0
Number of persons injured	0
Number of persons with permanent disabilities	
Number of hospital inpatient days	
Number of fatalities	
	2017 Q4
Incident Date	06 Oct 2017
Incident description Near Miss	
Types of incident	✓Near miss
Operational phase	Surveying
Survey type	✓PDIP
Human and system factors	Failure to adhere to SOP (e.g. missed a step in a defined standard operation procedure)
Contributing factors	✓Not Applicable
Mechanism of injury factors	✓Not Applicable
Lost person hours	0
Number of persons injured	0
Number of persons with permanen disabilities	t
Number of hospital inpatient days	
Number of fatalities	