



# DEVELOPMENT & MANAGEMENT OF OCCUPATIONAL HEALTH AND SAFETY SYSTEMS

Geos Mining employs and strictly maintains an occupational health and safety (OHS) system which complies with the company's legal responsibilities.

Geos Mining can help your company to become OHS compliant through the implementation of proven documentation and systems

## Key issues about occupational health and safety in Australia and many overseas countries

### 1. Legislatively based

A Safety Management System (SMS) is a legal requirement for all explorers and miners in Australia

### 2. An exploration licence is a 'mine'

The law generally treats exploration in the same way as mining, from an OHS perspective

### 3. Not prescriptive but....

Governments have uniformly adopted a view that OHS responsibilities rest with employers and employees

### 4. Three key parameters

#### a. Risk Management

This puts the onus on employers to carry out their own assessments, risk ratings, control methods, training and reviews

#### b. Duty of Care

Legislation demands that employers have responsibility for the safety and well being of their employees and employees have responsibility for the safety and well being of each other

#### c. Consultation

An SMS must be the result of effective communication and involvement of management and employees

### 5. It's dynamic not passive

The SMS is a dynamic system involving constant review and implementation. There must be evidence of ongoing continual improvement

### 6. Components of the sms

The SMS is a modular system in which components come together to form an integrated representation of a company's policies and procedures

Safety Management Plan	Fatigue Management Plan
Contractor Management Plan	Policies
Emergency Management Plan	Standard Operating Procedures
Health Management Plan	Training Modules

### 7. Responsibilities/ accountabilities

The law will hold accountable company directors, nominated representatives and employees for all OHS incidents. Companies may appoint particular persons as being responsible for the safety and well being of their employees

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# Risk Analysis Matrix

## Maximum Reasonable Consequences

1. Catastrophic impact
2. Severe negative impact
3. Major negative impact
4. Negative impact
5. Minor negative impact

## Probability

- A. Almost certain to happen
- B. Likely to happen at some point
- C. Moderate: possible
- D. Unlikely
- E. Rare

## Risk Classification

- 1-10 High Risk (Red)  
 11-19 Medium Risk (Yellow)  
 20-25 Low Risk (Green)

Maximum Reasonable Consequences	Probability				
	A	B	C	D	E
1	1	2	4	7	11
2	3	5	8	12	16
3	6	9	13	17	20
4	10	14	18	21	23
5	15	19	22	24	25

# Safety Management System Flow Chart

