

# Mining Engineer



**Colour Level of Activity**

- Introductory – needs supervision
- Intermediate – works independently
- Advanced – can instruct others

**Code Type of Training**

- On the job training
- Formal training – external
- Formal training – internal

Name: \_\_\_\_\_ Company: \_\_\_\_\_ Supervisor(s): \_\_\_\_\_ Mentor(s): \_\_\_\_\_

DISCIPLINE - Mining Engineer	year 1				year 2				year 3				year 4				Future Training
	3 mths	3 mths	3 mths	3 mths	3 mths	3 mths	3 mths	3 mths	3 mths	3 mths	3 mths	3 mths	3 mths	3 mths	3 mths		
<b>1. Company Induction</b>																	
1.01 Familiarisation	I																
1.02 Site Induction	I																
1.03 Administration	I																
1.04 Organisational Structure	I																
1.05 Policies and Procedures	I																
1.06 Other Aspects of Operations	I																
1.07 Networking	I					O				O							Welcome and mentor others.
<b>2.3 Discipline Specific</b>																	
2.3.01 Health and Safety/ Risk Assessment	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	Lead investigation Demonstrate positive safety behaviour
2.3.02 Mines Rescue	I	O	O	O	I	O	O	O	I	O	O	O	I	O	O	O	Captain mines rescue.
2.3.03 Practical Experience		O	O	O	O												
2.3.04 Geology						I											Incorporate geological requirements in design/operations.
2.3.05 Survey						I											Incorporate survey requirements in design/operations.
2.3.06 Long-Term Planning							I										Work towards being a competent person for reserves. Optimisation techniques. Produce business plans, risk assessments.
2.3.07 Ventilation							I										Statutory or leading role in primary/secondary ventilation.
2.3.08 Environment							I										Incorporate environment requirements in design/operations.
2.3.09 Supervisory Experience								O	O								
2.3.10 Software											E				E		Proficient in software.
2.3.11 Operations Planning/Scheduling										O	O						Proficient.
2.3.12 Dispatch/Mine Reporting										O	O						Show proficiency in all areas of reporting and dispatch. Show improvements in system and as result of data analysis.
2.3.13 Mine Design												O	O				Produce complete designs.
2.3.14 Drill and Blast														O	O		Make improvements in drill and blast. Supervise crews/contracts.
2.3.15 Drill and Blast														O	O		
<b>3. Business/Management Skills</b>																	
3.01 Business Awareness					O	O	O	O	O	O	O	O	O	O	O	O	Understand needs of internal customers.
3.02 Project Management					O	O	O	O	O	O	O	O	O	O	O	O	
3.03 Business Improvement					O	O	O	O	O	O	O	O	O	O	O	O	Demonstrate benefit from improvement.
3.04 Capital Projects					O	O	O	O	O	O	O	O	O	O	O	O	Proficient in writing justifications.
3.05 Financial Analysis/Budgeting					O	O	O	O	O	O	O	O	O	O	O	O	Take key role in budget preparation.
3.06 Contractor Management					O	O	O	O	O	O	O	O	O	O	O	O	Contractor Management, claims processing, relationship development and management.
3.07 Reporting					O	O	O	O	O	O	O	O	O	O	O	O	
3.08 Community Relationship Skills																	
<b>4. Personal Development Skills</b>																	
4.01 Career Development	O	O	O	O	O	O	O	O	O	O	O	O					Mentor others.
4.02 Leadership	O	O	O	O			O	O	O	O							Advanced leadership training.
4.03 Communication							O	O	O	O							
<b>5. Statutory Requirements</b>																	
5.01 Sit Statutory Tickets				Regulations I				Shiftboss O									E Mine Manager (depends on state).
<b>6. Further Education</b>																	
6.01 Related Course																	
<b>7. Continuing Professional Development</b>																	
7.01 Professional Institute Involvement																	
7.02 Attend Conferences																	Assist in organising a conference.
7.03 Write/Present Papers					O				O								Write papers.