MINE MANAGERS' HANDBOOK CONTENTS

Chapter 1	Overview of mine management	1
1.1	Business strategy	3
1.2	Performance measures	14
1.3	Strategic issues and business optimisation	33
1.4	Mine organisation and management	37
1.5	The mine manager as a leader	39
1.6	The board of directors	44
Chapter 2	Occupational health and safety	49
2.1	Occupational health and safety shared values	51
2.2	Health and safety strategy formulation	57
2.3	Safety structure	68
2.4	Safety processes	70
2.5	Current issues	73
2.6	Further reading and professional development	77
Chapter 3	Environmental management	85
3.1	Shared values for environment protection	87
3.2	Environmental strategy formulation	88
3.3	Environmental management structure	89
3.4	Environmental management processes	91
3.5	Staffing and skilling the workforce	101
3.6	Management of external relationships	102
Chapter 4	Stakeholder relationships	107
4.1	Introduction	109
4.2	Workplace	111
4.3	District and region	115
Chapter 5	Human resources	121
5.1	Organisation and job design	124
5.2	Organisation development	132
5.3	Recruitment	140
5.4	Remuneration	146
5.5	Workplace training	151
5.6	Performance review system	155
5.7	Industrial relations and employment	158
Chapter 6	Capital investment and project development	169
6.1	Mineral Resources and Ore Reserves	171
6.2	Project evaluation	225
6.3	Project approval	249

Chapter 7	Operations management	281
7.1	Regulatory considerations	284
7.2	Mine planning and scheduling	305
7.3	The life-of-mine plan and operating budget	310
7.4	Managing mining operations	326
7.5	Equipment reliability improvement and maintenance	337
7.6	Materials management	345
7.7	Land access and compensation management	353
7.8	Operations reporting	356
Chapter 8	Finance and administration	367
8.1	Mine administration functions	369
8.2	The monthly operations report	371
8.3	Mine accounting	373
Chapter 9	Minerals and markets	381
9.1	Introduction	383
9.2	Mineral economics	384
9.3	Individual mineral markets	388
9.4	Conclusions	435
Chapter 10	Strategic planning	439
10.1	The strategic planning process	441
10.2	Industry and competitor analysis	452
10.3	Competitive advantage	459
10.4	Sales and price prediction	465
10.5	Risk management	474
Appendix 1	Guidelines for Technical Economic Evaluation of Minerals Industry Projects	479
Appendix 2	Glossary of useful valuation terms	519
Appendix 3	Pro forma operations report	527
Appendix 4	Pro forma risk management report	537
	Index	543