
TABLE OF CONTENTS

	Page
1.0 EXECUTIVE SUMMARY	6
2.0 PERSONAL DETAILS OF DECEASED	9
3.0 MINE DETAILS	9
3.1 LOCATION	9
3.2 MINE LEASES AND TENURE	10
3.3 MINING OPERATIONS	10
3.3.1 The Mine Integration Project	10
3.3.2 Mining	10
3.3.3 Underground Operations	11
3.3.4 Mine Safety Performance	11
4.0 NOTIFICATION	13
5.0 INVESTIGATION	13
5.1 AIM	13
5.2 INVESTIGATION PROCESS	13
5.3 INSPECTION OF THE ACCIDENT SCENE	14
5.3.1 Photographs of the Accident Scene	14
5.3.2 Video Recording of the Accident Scene	14
5.3.3 Observations	15
5.3.4 Plans of the Accident Site	15
5.3.5 Articles seized from the Accident Scene	16
5.4 INTERVIEW STATEMENTS	16
5.5 ENGINEERING INVESTIGATION OF THE EQUIPMENT	17
5.5.1 Investigation	17
5.5.2 Results of the Investigation	17
5.5.3 Additional Testing	18
5.6 DOCUMENTATION	19
5.6.1 BMA Blackwater Mine Documentation	19
5.6.2 Ergon Energy Documentation	19

5.7	SITE SENIOR EXECUTIVE'S REPORT	19
5.7.1	Comments on Report	20
5.8	SEQUENCE OF EVENTS	21
5.9	COLLATION OF EVIDENCE	24
5.9.1	Evidence from Accident Scene	24
	a) Environment	24
	b) Equipment	24
5.9.2	Evidence from Statements	27
5.9.3	Evidence from Documentation	31
	a) Training/Assessment Documentation	31
	b) Personnel	38
	c) Other Documentation	38
5.9.4	Emergency Response	39
5.10	ANALYSIS OF EVIDENCE	40
5.10.1	ICAM Analysis	40
6.0	CONCLUSIONS AND OBSERVATIONS	42
6.1	NATURE OF ACCIDENT	42
6.2	CAUSE OF ACCIDENT	42
6.3	CONTRIBUTING FACTORS	43
6.3.1	Training and Competency	43
6.3.2	Restricted Work Area	45
6.3.3	Position of Operator	45
6.3.4	Orientation of the Vehicle Loading Crane	46
6.3.5	Design of the HMF 622-K2-B2 Vehicle Loading Crane	46
6.3.6	Audits	47
6.3.7	Fitness for Duty	47
6.3.8	Risk Management	47
6.3.9	Systems Observations	47
	6.3.9.1 BMA Blackwater Mine – Contractor Management	47
	6.3.9.2 Ergon Energy	48
6.4	REMEDIAL ACTIONS	48
6.5	LEGISLATIVE ISSUES	48
7.0	RECOMMENDATIONS	49
7.1	RECOMMENDATION 1	49
7.2	RECOMMENDATION 2	50
7.3	RECOMMENDATION 3	50
7.4	RECOMMENDATION 4	51
7.5	RECOMMENDATION 5	51

7.6	RECOMMENDATION 6	51
7.7	RECOMMENDATION 7	51
7.8	RECOMMENDATION 8	51
7.9	RECOMMENDATION 9	51

APPENDICES

Appendix 1	PRELIMINARY REPORT
Appendix 2	PHOTOGRAPHS
Appendix 3	SENIOR SITE EXECUTIVE'S REPORT
Appendix 4	ENGINEERING REPORT
Appendix 5	INTERVIEWED PERSONS' STATEMENTS
Appendix 6	MINE RECORD ENTRY
Appendix 7	DOCUMENTATION PROVIDED BY BMA BLACKWATER MINE
Appendix 8	DOCUMENTATION PROVIDED BY ERGON ENERGY
Appendix 9	CHRIS BELFIELD'S – COPY OF APPLICATION/ASSESSMENT REPORT FOR CV VEHICLE LOADING CRANE
Appendix 10	CHRIS BELFIELD'S – COPIES OF APPLICATION/ASSESSMENT REPORT FOR C2 SLEWING CRANE & OHS CERTIFICATE
Appendix 11	WORKPLACE, HEALTH & SAFETY DOCUMENT ON C2 ENCOMPASSING CV
Appendix 12	CHRIS BELFIELD'S ASSESSMENT FOR CV VEHICLE LOADING CRANE
Appendix 13	OHS CERTIFICATE OF COMPETENCY NATIONAL ASSESSMENT INSTRUMENT
Appendix 14	VEHICLE LOG BOOK ENTRIES
Appendix 15	BMA BLACKWATER MINE – TRAINING SCHEME
Appendix 16	CHRIS BELFIELD'S FORM PD-FSAF006 FROM BMA BLACKWATER MINE
Appendix 17	CHRIS BELFIELD'S FORM PD-FSAF006 FROM ERGON ENERGY
Appendix 18	FORM QC-FSAF005
Appendix 19	BLACKWATER MINE – CONTRACTOR/VISITOR INDUCTION PERMIT CHECKLIST

- Appendix 20** CHRIS BELFIELD'S EQUIPMENT AUTHORISATION FROM PAUL HENSLEY
- Appendix 21** BMA BLACKWATER MINE – FASSI VEHICLE LOADING CRANE TRAINING/ASSESSMENT PACKAGE
- Appendix 22** COPY OF HMF – HANDY 620 INSTRUCTION MANUAL
- Appendix 23** CAPELEC REPORTS – PC45BR03, PC45BR05, PC45BM04 & PC45BI02
- Appendix 24** TRUCK LOADING INSPECTION REPORTS
- Appendix 25** FORMS PC45BM04 – INSPECTIONS FOR 2001/2002.
- Appendix 26** EXAMPLES OF ERGON ENERGY TEAM DAILY RISK ASSESSMENTS
- Appendix 27** EXAMPLES OF BMA BLACKWATER MINE – AUDIT REPORTS.
- Appendix 28** ICAM ANALYSIS
- Appendix 29** FORM 1A & EMERGENCY INFORMATION LOG SHEET
- Appendix 30** SECTION OF HMF – HANDY 620 INSTRUCTION MANUAL FOUND IN TRUCK
- Appendix 31** CD OF ALL VIDEO RECORDINGS