

DONALDSON COAL

ABEL MINE

SMP Area 2

Mine Design SMP Compliance Audit

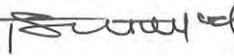
Panel 20

Document Control

Description

Document No.	
Title	Mine Design SMP Compliance Audit
General Description	Plan for the control of mining to meet the mine design specifications as documented in the approved Abel Mine - Subsidence Management Plan.
Key Support Documents	<ul style="list-style-type: none"> • Abel Mine - Subsidence Management Plan Application • Abel Mine - Subsidence Management Plan DTIRIS Approval Letter • Abel Mine - Subsidence Management Plan: Surface Subsidence Monitoring Program • Abel Mine - Subsidence Management Plan: Underground Subsidence Monitoring Program

Approvals

ORIGINATOR	Name Daniel Lee	Position Registered Surveyor	Signed	Date
REVIEWED	Name Matthew Wright	Position Registered Mine Surveyor	Signed 	Date 20-3-13
APPROVED	Name Tony Sutherland	Position: Technical Services Manager – Underground Operations	Signed 	Date 20-3-13

Revisions

Version #	Date	Description	By	Checked	Approved	
					Name	Signed
1	11/03/13	Full review & document control	DL	Grant Lord	Tony Sutherland	

Consultation

Version#	Date	Name	Position

The nominated Coordinators for this document is	Technical Services Manager - Underground Operations
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1. Introduction

This internal compliance audit checklist has been developed to confirm that mining complies with the Department of Trade & Investment, Regional Infrastructure & Services (DTIRIS) approved Subsidence Management Plan (SMP) as per Condition 22 of the Abel Mine Area 2 SMP Variation approval dated 3/9/12 (Ref OUT 12/21626).

The results of the audit are to be reported to the Inspector of Coal Mines and the Principal Subsidence Engineer within three months of completion of each panel.

2. Definitions

Active Mining Zone (AMZ) report - A report completed by the Panel Team Leader (Deputy) and countersigned by the Area Leader (Shift Undermanager) detailing lifts taken, hazards identified, tell-tale information and comments on conditions and actions taken.

Authority to Mine (ATM) Plan - A plan prepared by the Tech Services Dept and approved by the Production Manager showing lifts to be taken, mine hazards, borehole information, lift depths, stooks, remnant pillar sizes and sequence of extraction.

Pre Extraction Mining Review - A review conducted by the Technical Services team checking that approvals, plans and training are in place prior to extraction commencing.

Risk Assessments - The overall process of risk analysis, evaluation and controls.

Subsidence Control Zones (SCZ) – Areas designated for control of subsidence to protect sensitive surface features.

Trigger Action Response Plan (TARP) - A TARP is a system under which pre-determined actions are initiated in response to risk triggers. For example, an increase in roof bolting density may occur in response to the presence of a fault being encountered.

Weekly Pillar Extraction Audits – A weekly audit of pillar extraction panels undertaken by the shift Area Leader, Technical staff and other members of the workforce. The audit aims to ensure compliance with the mine's Work Health and Safety Management Systems and to identify and manage hazards in the production area.

3. Checklist

SMP Criteria	Monitoring	Audit	Audit Results
<i>"The Leaseholder must ensure that the proposed mining be controlled to meet the mine design specifications, as documented in the SMP"</i>			
Lift depths to confirm remnant pillar size	<p>Shown on ATM plan</p> <p>Team Leaders sign off on AMZ report showing lifts taken and tell-tale information</p> <p>Surveyor's inspections and goaf surveys</p> <p>WHSMS 7.1 Inspection System</p> <p>Weekly pillar extraction audit checked by Geotechnical representative</p>	<p>Daily review of AMZ reports by Undermanager and Technical Services team members & signed off by Area Leader at end of shift</p> <p>Record of AMZ's, Surveyor inspections and goaf surveys used to update mine plan</p> <p>Folder of all weekly pillar extraction audits kept on file</p>	In Compliance
Approved Surface Subsidence monitoring program	Monitoring of panel subsidence, tilts, strains	<p>Registered Mine Surveyor to:</p> <ul style="list-style-type: none"> • confirm compliance with approved program • Checking results against predictions • Notification as per TARP and approval conditions 	In Compliance

SMP Criteria	Monitoring	Audit	Audit Results
Approved Underground Subsidence monitoring program	Monitoring of tell-tale extensometers WHSMS 7.1 Inspection System Weekly pillar extraction audit checked by Geotechnical representative	Daily review of AMZ reports by Area Leader and Technical Services team members & signed off by Area Leader at end of shift Tell-tales recorded on AMZ reports as part of statutory inspections Folder of all weekly pillar extraction audits kept on file	In Compliance
Training	Pre extraction training on importance of design including lift depth, angle, SCZ's, stook and remnant pillar dimensions etc	Training registers Confirm appropriate personnel trained	In Compliance
SCZ's	SCZ, including exclusion zones identified on approved plan are replicated on to ATM plans Displayed in the surface operation room and icentre Underground section plan displayed in crib room	Confirmed by Registered Mine Surveyor	In Compliance Exclusion zones set up around Viney Creek (Schedule 2 Creek)

SMP Criteria	Monitoring	Audit	Audit Results
<p>Depth of cover (restriction on mining)</p> <p>No extraction less than 50m</p> <p>No first workings less than 30m</p>	<p>Surface and underground surveys to confirm depth of cover</p>	<p>Confirm surveys conducted</p> <p>Depth of cover greater than 50m for entire panel</p>	<p>In Compliance</p>
<p>Mark up Stook X, Y and roadway centrelines</p>	<p>Stooks marked up prior to extraction</p> <p>Offline roadway centrelines marked</p>	<p>WHSMS 7.1 Inspection System</p> <p>Weekly pillar extraction audit</p>	<p>In Compliance</p>
<p>Risk assessments (including SMP and CL88)</p>	<p>Additional controls applicable to panel</p>	<p>Confirm any required controls implemented</p>	<p>In Compliance</p>

4. Subsidence Results Summary

PANEL 20			
	Predicted	Measured as of 10/1/2013	Comment
Subsidence	0.056m	0.042m	Measured subsidence < prediction

5. Audit Summary

Overall the design and implementation of the internal controls appears to be appropriate and no inappropriate activity was noted.

Abel Mine can be sure that mining in Panel 20 has been undertaken in accordance with the mine design specifications.

6. Appendices

Appendix A: Panel 20 Active Mining Zone (AMZ) Report Examples

Pillar Extraction - Active Mining Zone Report

3035

FRM 2.4.2

Crew: 3 Panel: 2a Shift: N D A Sequence Start: 1 Sequence End: 5

The pillar extraction hazard identification process is to be completed by the panel team leader in addition to other routine inspections.

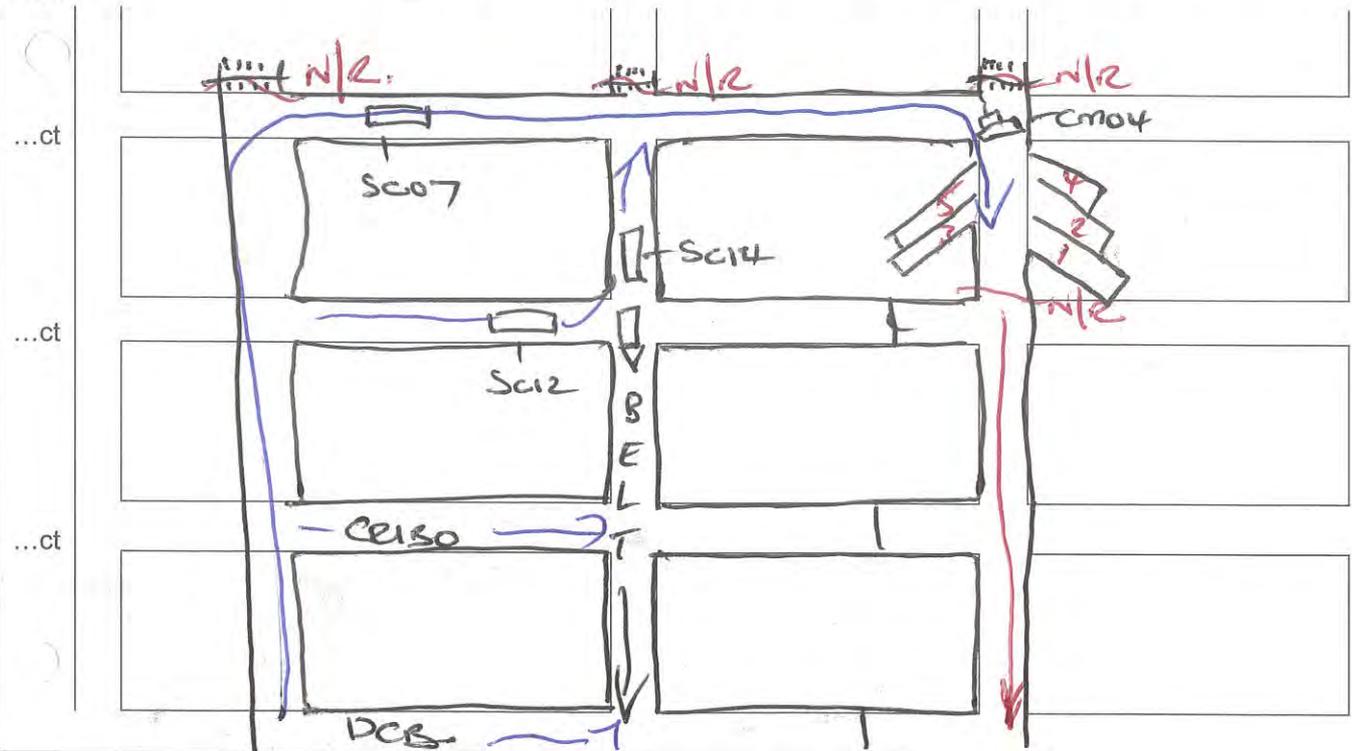
WHERE	WHEN	INITIAL	TIME
1. The roadway to be extracted during shift	Prior to extraction	TL	7:00am
2. The roadway to be extracted next	During shift		7:05am
3. The wheeling roads	During shift		7:10 am

HAZARDS IDENTIFIED

Coal Tops	Joints	Cornices	Floor Heave	Rib Height
Broken Roof	Gutters	Faults	Dykes	Coal Cleat
Cutters	Rib Spall	Soft Floor	Soft Roof	Greasybacks
Tell-tale <u>✓</u>	Bolt Loading	Off-centre Driveage	Housekeeping	

RISK ASSESSMENT

When any of the above hazards are identified the hazard is to be assessed. If the assessed risk is unacceptable the hazard is to be identified and communicated then eliminated or controlled. Briefly detail actions following risk assessment in the comments section below.



Comments / Actions Taken:

- # Coal is very thin in E'way to cut
- # Swept coal back in service
- # Coal very dense
- # All pillars are no losses
- # Doing best extraction prep work

Tell-tale information

Location	Time	Total	Lower
All ok / No statement			

Goafing / Caving Estimates:

estimation standing	As listed
estimation coal left behind	Minimal
estimation dilution	

Offgoing Team Leader Signature [Signature] Date 13/10/2012

Oncoming Team Leader Signature Date Area Leader Signature [Signature] Date 13/10/12

Pillar Extraction - Active Mining Zone Report

3321

FRM 2.4.2

Crew: 1 Panel: 20 Shift: (N) D A Sequence Start: 2 Sequence End: 10

The pillar extraction hazard identification process is to be completed by the panel team leader in addition to other routine inspections.

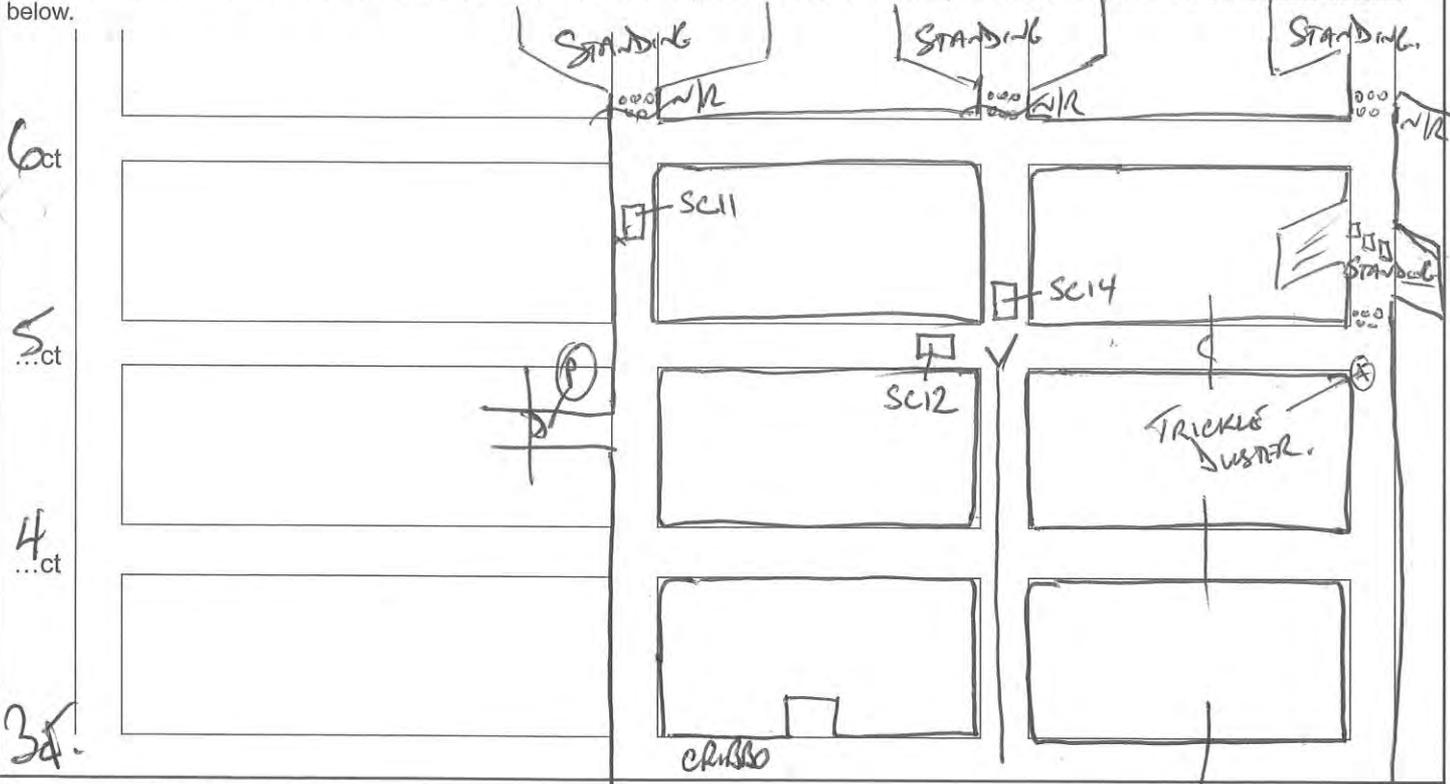
WHERE	WHEN	INITIAL	TIME
1. The roadway to be extracted during shift	Prior to extraction	<i>[Signature]</i>	10:20pm
2. The roadway to be extracted next	During shift	<i>[Signature]</i>	10:25pm
3. The wheeling roads	During shift	<i>[Signature]</i>	10:35pm

HAZARDS IDENTIFIED

Coal Tops	Joints	Cornices	Floor Heave	Rib Height
Broken Roof	Gutters	Faults	Dykes	Coal Cleat
Cutters	Rib Spall	Soft Floor	Soft Roof	Greasybacks
Tell-tale	Bolt Loading	Off-centre Driveage	Housekeeping	

RISK ASSESSMENT

When any of the above hazards are identified the hazard is to be assessed. If the assessed risk is unacceptable the hazard is to be identified and communicated then eliminated or controlled. Briefly detail actions following risk assessment in the comments section below.



Comments / Actions Taken:

No belt fires or activity during shift - Air Clean
 Pump set-up in H₂O Area - Air Clean
 Clean up rockpiles & screw rock
 No movement on Tell Tales & tags

Tell-tale information

Location	Time	Total	Lower
No movement on Tell Tales			

Goafing / Caving Estimates

estimation standing *see visible pillars - for Air*
 estimation coal left behind *As per Air*
 estimation dilution

Offgoing Team Leader Signature: *[Signature]* Date: 02.11.2012

Oncoming Team Leader Signature: Date: Area Leader Signature: *[Signature]* Date: 2/11/12

Appendix B: Panel 20 Authority to Mine (ATM) Plan Examples

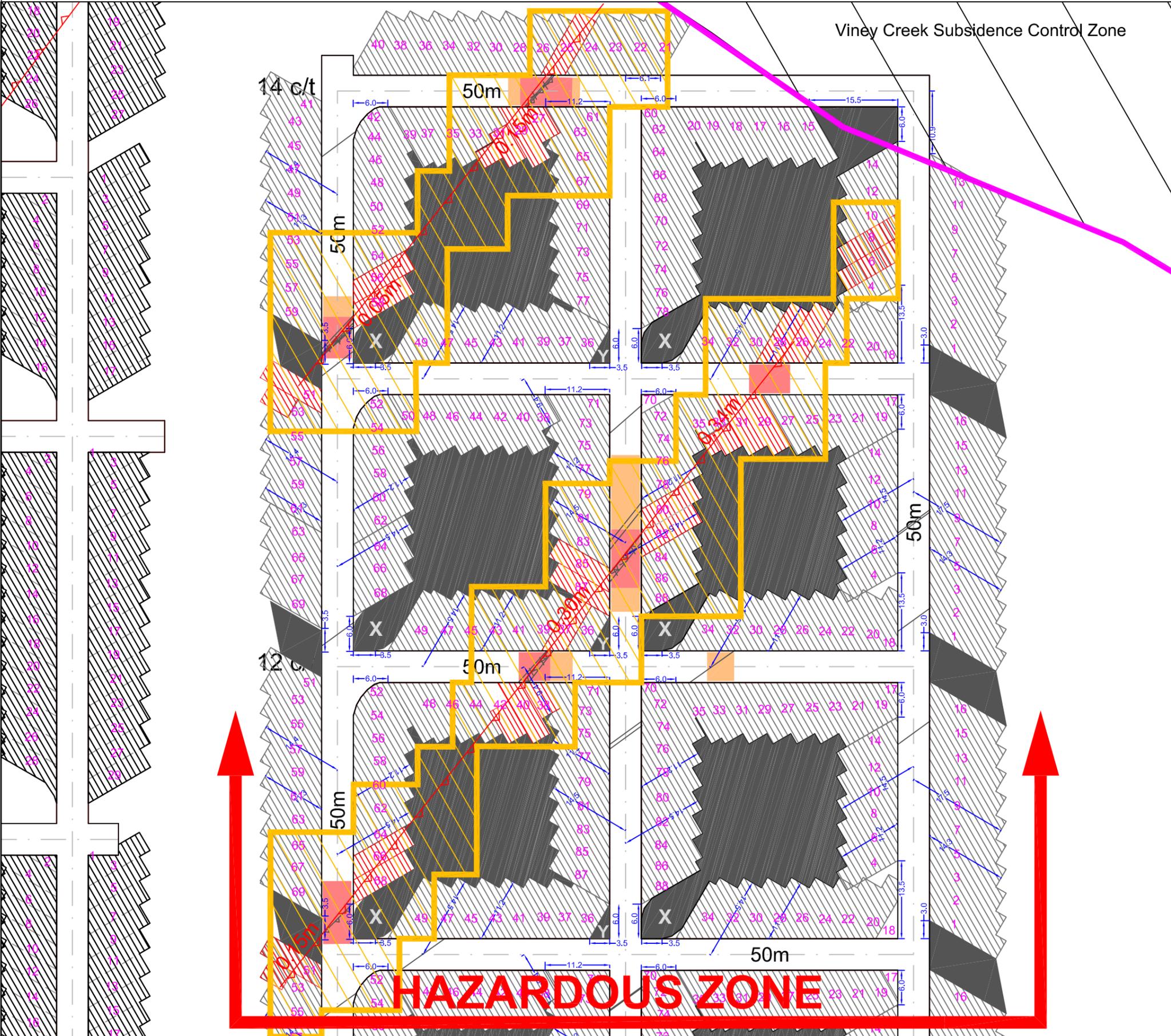
Authority to Mine Plan - Panel 20 (14c/t to 11c/t)

- This **Authority to Mine** should be read in conjunction with the following plans:

- Panel 20 - Lifting Sequence and Support Rules - a6b2011.dwg (plan 2 of 10).
- Panel 20 - Pillar Extraction Supporting Disturbed Roof - a6b2011.dwg (plan 5 of 10).

- "If it is considered that the method or sequence of extraction of a particular pillar as laid down by the Manager of Mining Engineering is inappropriate, an Area Leader may authorise a variation to the Manager's procedures. This can only be undertaken after the particular Area Leader personally inspects the site for the specific purpose and issues a written directive fully detailing the variations to the Manager's procedures. A Team Leader cannot vary the Manager's procedures. The Area Leader issuing the variation shall as soon as practical inform and provide the Manager with a written copy of such variation".

- The Team Leader has the authority to stop an operation or withdraw machinery if, based on his judgement, continued mining would create an unsafe condition. If such a decision leads to the need for a variation to the approved plan then production should not recommence until a more senior mining supervisor has inspected the site.



KEY:		Panel 20 - 14c/t to 11c/t	
	Coal lift (width 3.6m - CM101 or 4.0m - CM05) depth of lift is as per Approved Plan - a6b2010.dwg (plan 2 of 10)		Additional caution required in area
	Stooks to be left		Additional 4m Tendons to be installed
	Coal to be left for the purpose of providing additional ground support to geological anomalies		Condition ORANGE support installed
	Coal web to be left for the purpose of providing ground support and to stop goaf flushing into current lifting area (no greater than 1.0m width)		Condition RED support installed
		NOTE: Where no support is shown on plan it is deemed to be Condition GREEN support	
			a key for these symbols can be found on the geological condition plan
		SCALE : 1:750	DWG No. : ATM_P20.dwg
		DRAWN : L. Krick	
		CHECKED : M. Wright	REVISION : 1
		APPROVED : D. Wrightson	DATE : 3rd September 2012

Authority to Mine Plan - Panel 20 (7c/t to 4c/t)



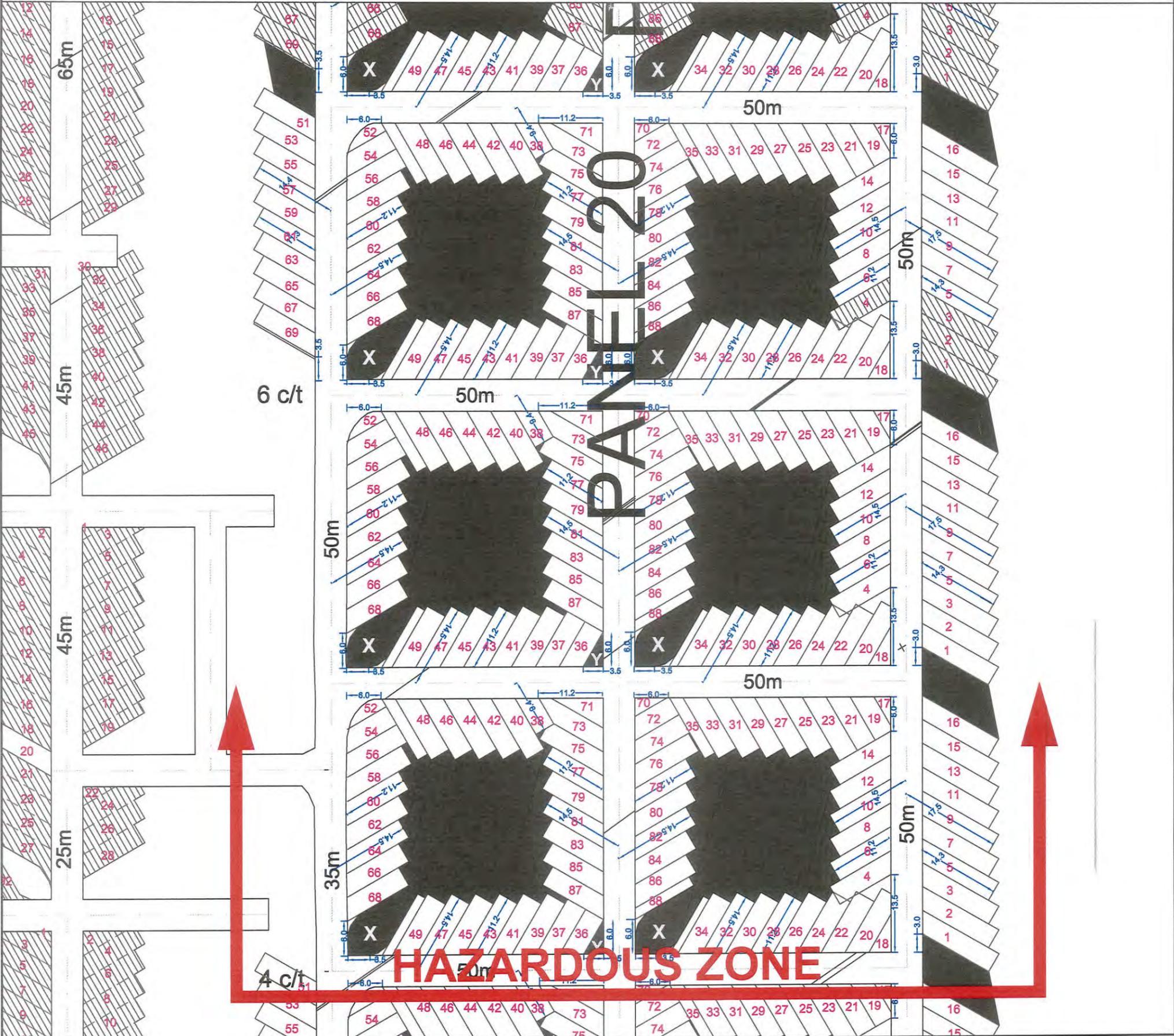
Part of Gloucester Coal

- This **Authority to Mine** should be read in conjunction with the following plans:

- Panel 20 - Lifting Sequence and Support Rules - a6b2011.dwg (plan 2 of 10).
- Panel 20 - Pillar Extraction Supporting Disturbed Roof - a6b2011.dwg (plan 5 of 10).

- "If it is considered that the method or sequence of extraction of a particular pillar as laid down by the Manager of Mining Engineering is inappropriate, an Area Leader may authorise a variation to the Manager's procedures. This can only be undertaken after the particular Area Leader personally inspects the site for the specific purpose and issues a written directive fully detailing the variations to the Manager's procedures. A Team Leader cannot vary the Manager's procedures. The Area Leader issuing the variation shall as soon as practical inform and provide the Manager with a written copy of such variation".

- The Team Leader has the authority to stop an operation or withdraw machinery if, based on his judgement, continued mining would create an unsafe condition. If such a decision leads to the need for a variation to the approved plan then production should not recommence until a more senior mining supervisor has inspected the site.



KEY:

	Coal lift (width 3.6m - CM101 or 4.0m - CM05) depth of lift is as per Approved Plan - a6b2010.dwg (plan 2 of 10)
	Stooks to be left
	Coal to be left for the purpose of providing additional ground support to geological anomalies
	Coal web to be left for the purpose of providing ground support and to stop goaf flushing into current lifting area (no greater than 1.0m width)

	Additional caution required in area
	Additional 4m Tendons to be installed
	Condition ORANGE support installed
	Condition RED support installed
NOTE: Where no support is shown on plan it is deemed to be Condition GREEN support	
	a key for these symbols can be found on the geological condition plan

<h2>Panel 20 - 7c/t to 4c/t</h2>	
SCALE : 1:750	DWG No. : ATM_P20.dwg
DRAWN : M. Healey	REVISION : 7
CHECKED :	DATE : 26th October 2012
APPROVED : D. Wrightsen	

Appendix C: Panel 20 Weekly Pillar Extraction Audit Examples

Name of personnel conducting audit : Area Leader Greg Day

Team Leader Gar Bill MacLearney Crew member

Geotechnician L. Krick

Date 20/11/12 Panel 20

Shift N/D/A

The following checks are for the current operations

Have the extents of supported roof in the roadways been delineated with reflective droppers?	<input checked="" type="checkbox"/> Yes	No	N/A
Are the ribs being scaled down to remove any loose material?	<input checked="" type="checkbox"/> Yes	No	N/A
Is there a need to adjust the rib support TARP?	Yes	<input checked="" type="checkbox"/> No	N/A
Where there are geological anomalies, are the ribs adequately supported?	<input checked="" type="checkbox"/> Yes	No	N/A
Is the goaf readily caving?	Yes	No	N/A
Is ventilation in the panel adequate?	<input checked="" type="checkbox"/> Yes	No	N/A
Are the BLS units positioned correctly?	<input checked="" type="checkbox"/> Yes	No	N/A
Are the BLS units in contact with roof?	<input checked="" type="checkbox"/> Yes	No	N/A
Are the BLS Canopies horizontal with less than +/- 15° Tilt?	<input checked="" type="checkbox"/> Yes	No	N/A
Are the BLS Legs near vertical?	<input checked="" type="checkbox"/> Yes	No	N/A
Are the stocks of the right size?	<input checked="" type="checkbox"/> Yes	No	N/A
Is the approved cutting sequence being adhered to?	<input checked="" type="checkbox"/> Yes	No	N/A
Are current sequence plans available at the Team Leader's station?	<input checked="" type="checkbox"/> Yes	No	N/A
Is the continuous miner being used to clean up the ribs as required during fitting from one place to the next?	<input checked="" type="checkbox"/> Yes	No	N/A
Are all face personnel and visitors (if present) complying with the safe standing zones?	<input checked="" type="checkbox"/> Yes	No	N/A
Are the housekeeping standards of a high level?	<input checked="" type="checkbox"/> Yes	No	N/A
During repair/maintenance is the CM being parked outbye and where appropriate away from the rib where men are working?	Yes	No	<input checked="" type="checkbox"/> N/A

Comments/Recommendations

Complete the following considering the face conditions and the roadways for the next two weeks production, specifically roof, rib and floor conditions, to identify the hazards and implement controls to reduce any risk.

Are there any known geological anomalies in the upcoming production area?	Yes	<input checked="" type="checkbox"/> No	N/A
Is there evidence of roof support taking weight in the upcoming production area?	Yes	<input checked="" type="checkbox"/> No	N/A
Are there any roadways that require additional support in the roof or ribs prior to pillar extraction commencing from that roadway?	Yes	<input checked="" type="checkbox"/> No	N/A
Are there any roadways that need cleaning to allow passage of BLS's?	Yes	<input checked="" type="checkbox"/> No	N/A
Are there any off centre roadways that need survey lines installed to mark the design centre of the roadway?	Yes	<input checked="" type="checkbox"/> No	N/A
Are there any areas of the next pillar extraction roadway that is too high for the BLS units?	Yes	<input checked="" type="checkbox"/> No	N/A
Is there any need for a change to the Approved Manner & Sequence in the next row of pillars?	Yes	<input checked="" type="checkbox"/> No	N/A
Do any stoppings need repairing?	Yes	<input checked="" type="checkbox"/> No	N/A
Are all wheeling corners suitable?	<input checked="" type="checkbox"/> Yes	No	N/A
If not - Do they require trimming?	Yes	<input checked="" type="checkbox"/> No	N/A

Requirements for the next Belt Retraction & Flit:

Suggested Changes to Manner & Sequence

Greg

Signature of Area Leader: _____

Production Manager: _____

Date: 20 / 11 / 12

Date: / /

Name of personnel conducting audit : Area Leader

Brad Merchant

Team Leader

Troy Lantry

Crew member

Geotechnician

Liam Knick

Date 4/12/12

Panel 20

Shift N/D/A

The following checks are for the current operations

Have the extents of supported roof in the roadways been delineated with reflective droppers?	Yes	No	N/A
Are the ribs being scaled down to remove any loose material?	Yes	No	N/A
Is there a need to adjust the rib support TARP?	Yes	No	N/A
Where there are geological anomalies, are the ribs adequately supported?	Yes	No	N/A
Is the goaf readily caving?	Yes	No	N/A
Is ventilation in the panel adequate?	Yes	No	N/A
Are the BLS units positioned correctly?	Yes	No	N/A
Are the BLS units in contact with roof?	Yes	No	N/A
Are the BLS Canopies horizontal with less than +/- 15° Tilt?	Yes	No	N/A
Are the BLS Legs near vertical?	Yes	No	N/A
Are the stooks of the right size?	Yes	No	N/A
Is the approved cutting sequence being adhered to?	Yes	No	N/A
Are current sequence plans available at the Team Leader's station?	Yes	No	N/A
Is the continuous miner being used to clean up the ribs as required during flitting from one place to the next?	Yes	No	N/A
Are all face personnel and visitors (if present) complying with the safe standing zones?	Yes	No	N/A
Are the housekeeping standards of a high level?	Yes	No	N/A
During repair/maintenance is the CM being parked outbye and where appropriate away from the rib where men are working?	Yes	No	N/A

Comments/Recommendations

Panel on Maintenance

Complete the following considering the face conditions and the roadways for the next two weeks production, specifically roof, rib and floor conditions, to identify the hazards and implement controls to reduce any risk.

Are there any known geological anomalies in the upcoming production area?	Yes	No	N/A
Is there evidence of roof support taking weight in the upcoming production area?	Yes	No	N/A
Are there any roadways that require additional support in the roof or ribs prior to pillar extraction commencing from that roadway?	Yes	No	N/A
Are there any roadways that need cleaning to allow passage of BLSs?	Yes	No	N/A
Are there any off centre roadways that need survey lines installed to mark the design centre of the roadway?	Yes	No	N/A
Are there any areas of the next pillar extraction roadway that is too high for the BLS units?	Yes	No	N/A
Is there any need for a change to the Approved Manner & Sequence in the next row of pillars?	Yes	No	N/A
Do any stoppings need repairing?	Yes	No	N/A
Are all wheeling corners suitable?	Yes	No	N/A
If not - Do they require trimming?	Yes	No	N/A

Requirements for the next Belt Retraction & Flit:

Suggested Changes to Manner & Sequence

Signature of Area Leader: B. Merchant

Date: 4/12/12

Production Manager:

Date: / /

Appendix D: P20 Goaf Survey Example



Panel 20

Goaf survey 22/11/2012

SCALE :	NTS	DWG No. :	ag60090.dwg
DRAWN :	S.Drinkwater	REVISION :	
CHECKED :		DATE :	22nd November 2012

Appendix E: Pillar Extraction Training Records



Person ID	Last name	First name	Site	System	Employer	Department	Crew	Classification	0001397: Pillar Extraction Refresher - Panel 20
4688	Avery	Clayton	ABEL	Employee	Donaldson Coal Pty Limited	U/G Ops	ABEL Day Shift	Fitter, Mechanical Technician	AT: 06/09/2012
4013	Baird	Craig	ABEL	Employee; Assessor; Trainer	Donaldson Coal Pty Limited	U/G Ops	Fixed Day Shift		AT: 06/09/2012
6003	Baker	Grant	ABEL	Employee	Donaldson Coal Pty Limited		ABEL Crew 3	Mining Technician	AT: 05/09/2012
6087	Baker	Luke	ABEL	Employee	Donaldson Coal Pty Limited		ABEL Afternoon Shift	Mining Technician	AT: 06/09/2012
4824	Beavis	Wade	ABEL	Employee	Donaldson Coal Pty Limited	U/G Ops	ABEL Afternoon Shift	Mining Technician	AT: 06/09/2012
4696	Belcher	James	ABEL	Employee	Donaldson Coal Pty Limited	U/G Ops	ABEL Afternoon Shift	Electrical Technician	AT: 06/09/2012
3363	Blake	Shane	ABEL	Employee	Donaldson Coal Pty Limited	U/G Ops	ABEL Afternoon Shift	Mining Technician	AT: 06/09/2012
4604	Bowe	Shannon	ABEL	Employee	Donaldson Coal Pty Limited	U/G Ops	ABEL Crew 3	Mining Technician	AT: 05/09/2012
4738	Bryant	Chad	ABEL	Employee	Donaldson Coal Pty Limited	U/G Ops	ABEL Crew 3	Mining Technician	AT: 05/09/2012
AC1202	Burgess	Rob	ABEL	Contractor	Mastermyne Underground Northern NSW		ABEL Afternoon Shift	Mineworker	AT: 06/09/2012
4530	Camps	Grahame	ABEL	Employee; Trainer; Assessor	Donaldson Coal Pty Limited	U/G Ops	ABEL Crew 3	Cleanskin Miner	AT: 20/09/2012
AC1546	Collingwood	Troy	ABEL	Contractor	Roycol Mining		ABEL Afternoon Shift	Deputy	AT: 06/09/2012
3016	Day	Garry	ABEL	Employee	Donaldson Coal Pty Limited	U/G Ops	ABEL Crew 1	Undermanager; Area Leader/Undermanager	AT: 05/09/2012
4874	Findlater	Kyle	ABEL	Employee	Donaldson Coal Pty Limited	U/G Ops	ABEL Afternoon Shift	Mining Technician	AT: 06/09/2012
3105	Galbraith	Paul	ABEL	Employee; Assessor; Trainer	Donaldson Coal Pty Limited	U/G Ops	ABEL Crew 2	Team Leader/Deputy	AT: 06/09/2012
4664	Goodwin	Shane	ABEL	Employee; Assessor; Trainer	Donaldson Coal Pty Limited	U/G Ops	ABEL Afternoon Shift	Team Leader/Deputy	AT: 20/09/2012
4812	Jenkins	Michael	ABEL	Employee	Donaldson Coal Pty Limited		ABEL Crew 2	Cleanskin Miner	AT: 06/09/2012
4847	Johnston	Thomas	ABEL	Employee	Donaldson Coal Pty Limited	U/G Ops	ABEL Crew 2	Mining Technician	AT: 06/09/2012
4855	Kessell	Anthony	ABEL	Employee	Donaldson Coal Pty Limited	U/G Ops	ABEL Afternoon Shift	Area Leader/Undermanager	AT: 06/09/2012
4684	Lantry	Troy	ABEL	Employee	Donaldson Coal Pty Limited	U/G Ops	ABEL Crew 3	Team Leader/Deputy	AT: 05/09/2012
4590	Lawrence	Ben	ABEL	Employee	Donaldson Coal Pty Limited	U/G Ops	ABEL Crew 1	Mechanical Technician	AT: 05/09/2012
4417	Lynch	Shaun	ABEL	Employee	Donaldson Coal Pty Limited	U/G Ops	ABEL Day Shift	Mechanical Technician	AT: 06/09/2012
4661	Mackaway	William	ABEL	Employee	Donaldson Coal Pty Limited	U/G Ops	ABEL Crew 1	Team Leader/Deputy	AT: 05/09/2012
6091	Mahon	Sean	ABEL	Employee	Donaldson Coal Pty Limited		ABEL Afternoon Shift	Mining Technician	AT: 06/09/2012
4751	Matthews	Howard	ABEL	Employee	Donaldson Coal Pty Limited		ABEL Crew 2	Cleanskin Miner	AT: 06/09/2012
4675	Merchant	Chris	ABEL	Employee	Donaldson Coal Pty Limited		ABEL Crew 1	Mineworker	AT: 05/09/2012
3344	Murnane	Scott	ABEL	Employee	Donaldson Coal Pty Limited	U/G Ops	ABEL Crew 2	Mining Technician	AT: 06/09/2012
3327	Naylor	Matthew	ABEL	Employee; Assessor; Trainer	Donaldson Coal Pty Limited	U/G Ops	ABEL Crew 2	Mining Technician	AT: 06/09/2012
AC0772	Naysmith	Craig	ABEL	Contractor	Valley Mining Electrical Pty Ltd		ABEL Afternoon Shift	Electrician; Electrical Technician	AT: 06/09/2012
6095	Parkinson	Thomas	ABEL	Contractor	Donaldson Coal Pty Limited		ABEL Crew 3	Electrical Technician	AT: 05/09/2012
3375	Phillips	Stephen	ABEL	Employee	Donaldson Coal Pty Limited	U/G Ops	ABEL Crew 3	Mining Technician	AT: 05/09/2012
4656	Pilgrim	Shayne	ABEL	Employee	Donaldson Coal Pty Limited	U/G Ops	ABEL Day Shift	Electrical Technician	AT: 06/09/2012
6019	Pritchard	Steven	ABEL	Employee	Donaldson Coal Pty Limited		ABEL Day Shift	Electrical Technician	AT: 06/09/2012
6017	Quinn	Michael J	ABEL	Employee	Donaldson Coal Pty Limited		ABEL Day Shift	Electrical Technician	AT: 06/09/2012
3331	Ramsay	Nathan	ABEL	Employee	Donaldson Coal Pty Limited	U/G Ops	ABEL Crew 3	Mechanical Technician	AT: 05/09/2012
3332	Rich	Mark	ABEL	Employee	Donaldson Coal Pty Limited	U/G Ops	ABEL Day Shift	Team Leader/Deputy	AT: 06/09/2012
6024	Rowe	Jordan	ABEL	Employee	Donaldson Coal Pty Limited		ABEL Afternoon Shift	Electrical Technician	AT: 06/09/2012
3306	Smith	Warren	ABEL	Employee	Donaldson Coal Pty Limited	U/G Ops	ABEL Afternoon Shift	Electrical Technician	AT: 06/09/2012
4845	Spencer	Troy	ABEL	Employee	Donaldson Coal Pty Limited	U/G Ops	ABEL Crew 3	Mining Technician	AT: 05/09/2012
4610	Wade	Robert	ABEL	Employee; Trainer; Assessor	Donaldson Coal Pty Limited	U/G Ops	ABEL Afternoon Shift	Mining Technician	AT: 20/09/2012
4697	Weir	Simon	ABEL	Employee	Donaldson Coal Pty Limited	U/G Ops	ABEL Crew 3	Electrical Technician	AT: 06/09/2012
4752	Wilton	Jesse	ABEL	Employee	Donaldson Coal Pty Limited	U/G Ops	ABEL Crew 2	Cleanskin Miner; Mechanical Technician	AT: 06/09/2012
6055	Wrightson	Dean	ABEL	Employee; Authoriser	Donaldson Coal Pty Limited		Fixed Day Shift	Production Manager	AT: 05/09/2012

Legend: AT - Attained

Part of Gloucester Coal

ABEL MINE – TRAINING ATTENDANCE REGISTER			
Course Name: <i>PEMPA - Panel 20 update</i>			
Course Date: <i>6/9/12</i>			
Facilitator(s): <i>JOHN KRICK + CRAIG BARD</i>			
Name	Company	Position	Signature
<i>W. SMITH</i>	<i>Don coal</i>	<i>FLSCO N/A.</i>	<i>[Signature]</i>
<i>S. Maha</i>	<i>M/M</i>	<i>MINER</i>	<i>[Signature]</i>
<i>M. Lynch</i>	<i>m/m</i>	<i>FED</i>	<i>[Signature]</i>
<i>L. BAKER.</i>	<i>M/M.</i>	<i>FED.</i>	<i>[Signature]</i>
<i>J. Belcher</i>	<i>Don Coal</i>	<i>Elec</i>	<i>[Signature]</i>
<i>S. BLAKE</i>	<i>" "</i>	<i>FED</i>	<i>[Signature]</i>
<i>T. COULINGWOODS.</i>	<i>ROYAL MINING.</i>	<i>DEPUTY.</i>	<i>[Signature]</i>
<i>J. ROWE</i>	<i>Don Coal</i>	<i>ELEC</i>	<i>[Signature]</i>
<i>Steve Pritchard</i>	<i>Don Coal</i>	<i>Electrician</i>	<i>[Signature]</i>
<i>C. NAYSMITH</i>	<i>VALLEY MINING & ELECTRICAL</i>	<i>ELECTRICIAN</i>	<i>[Signature]</i>
<i>M. Quinn</i>	<i>Donaldson</i>	<i>Elec</i>	<i>[Signature]</i>
<i>S. Pilgum</i>	<i>Don Coal.</i>	<i>Elec.</i>	<i>[Signature]</i>
<i>S. WEIR</i>	<i>Donaldson Coal</i>	<i>Electrician.</i>	<i>[Signature]</i>
<i>C AVERY</i>	<i>DON COAL</i>	<i>FITTEE</i>	<i>[Signature]</i>
<i>W. BEAVIS</i>	<i>Don</i>	<i>Fed</i>	<i>[Signature]</i>
<i>K. Hindlader</i>	<i>Don Coal</i>	<i>fed</i>	<i>[Signature]</i>
<i>R Burgess</i>	<i>RR in mine</i>	<i>fed</i>	<i>[Signature]</i>
<i>T. KESSELL</i>	<i>DONALDSON</i>	<i>HL</i>	<i>[Signature]</i>
<i>M. Rich</i>	<i>Donaldson</i>	<i>Team Leader</i>	<i>[Signature]</i>

Prepared by	Safety Manager	Document No	FRM 1.4.1	Name	Training Attendance Register
Approved by	M Blackham	Version No	1		
Issue date	31/07/08	Revision date	31/07/10	Page 1 of 1	
Controlled Documents of the Abel Mine Safety Management System have blue text in this cell					

