



Trade &
Investment

**Gas and Coal Outburst Committee
Half Day Seminar
Wednesday 19th June 2013**

**Questioning the Fundamentals and
Understanding of What is an Outburst**
David Gordon – Inspector of Coal Mines



•**DAVID GORDON**

**INSPECTOR OF COAL MINES NSW – 2
years**

**INDUSTRY EXPERIENCE GENERALLY
UNDERGROUND**

**20 YEARS QUEENSLAND
17 YEARS NSW**

ROLES

MINER

DEPUTY

UNDERMANAGER

PRODUCTION MANAGER /

UNDERMANAGER IN CHARGE

MINE MANAGER

VENTILATION OFFICER

GEOTECHNICAL ENGINEER

My Questions:

1. Does MDG 1004 Outburst Mining Guideline require review?
2. What is the lower determination of an outburst event?
3. What is the upper limit conditions that would prevent any mining at all?

- CMRA 1982 Section 63 Notice issued 11/5/1994.
- 19 years
- No fatalities related to outbursts
- Substantial amount of research
- Substantial amount of experience
- Since then there have been 30 recorded events

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Date	Gas	Structure	Mining Type
3/03/1995	CH4		c/m
1996			
7/09/1996			
1997			
3/04/1998	CO2	undrained	Longwall
9/12/2000	CH4	Boggy	Remote c/m
19/03/2002	CH4	Dyke	c/m
27/05/2009	CH4	Boggy	Remote c/m
6/07/2009	CH4	Boggy	Remote c/m
7/07/2009	CH4	Boggy	Remote c/m
15/10/2010	CH4	Boggy	Remote c/m
15/10/2010	CH4	Boggy	Remote c/m
31/08/2011	CH4	Dyke	Shotfiring
2/04/2012	CH4	Dyke	Shotfiring
4/05/2012	CH4	Dyke	Shotfiring
5/06/2012	CH4	Dyke	Shotfiring
5/06/2012	CH4	Dyke	Shotfiring
15/06/2012	CH4	Dyke	Shotfiring
23/06/2012	CH4	Dyke	Shotfiring
12/07/2012	CH4	Dyke	Shotfiring
8/08/2012	CH4	Dyke	Shotfiring
25/08/2012	CH4	Dyke	Shotfiring
17/10/2012	CO2	Fault Zone	c/m
20/12/2012	CH4	Dyke	Shotfiring
9/01/2013	CH4	Dyke	Shotfiring
18/01/2013	CH4	Dyke	Shotfiring
19/01/2013	CH4	Dyke	Shotfiring
11/03/2013	CH4	Dyke	Shotfiring
9/05/2013	CH4	Dyke	Shotfiring
19/05/2013	CH4	Dyke	Shotfiring

- Data to my knowledge to date
- Information is welcome to clarify blanks in late 90's
- 30 incidents
- 23 in remote mining circumstances
 - 17 shot firing induced in proximity to structure
 - 6 remote c/miner
- 2 mining with c/miner with men at the face
- 2 on longwall face with men on the face
- 3 require information



Department of Mineral Resources
New South Wales



Outburst Mining Guideline

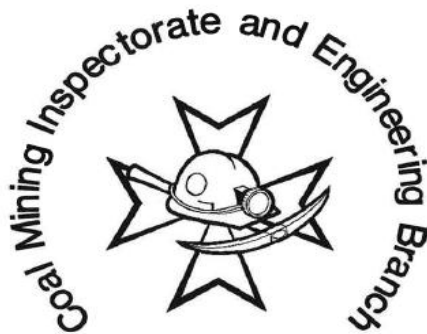
MDG No: 1004

July, 1995

- MDG No: 1004
- Date of Issue: 26 July 1995
- Refers to all mines
- Refers to old legislation
- No reference to Longwall
- Appendix 2 contains an outburst report form – I have not seen this used
- Review of this document?



Department of Mineral Resources
New South Wales



Outburst Mining Guideline

MDG No: 1004

July, 1995

- MDG No: 1004
- Definition
 - “**Outburst** – the sudden release of gas and material from the working place that can vary in magnitude and intensity”
- RD Lama referred in his work - small outbursts are of less than 2 tonnes
- Are “slumps” of material that coincide with a measurable release of gas classed as an outburst?

- Outburst Threshold Limits dictate the style of mining that will be conducted.
- Below a set gas content normal mining will be conducted
- Above a set gas content a remote style of mining will be conducted
- Is there an upper limit where no mining will take place?

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