

Moranbah North, Grosvenor and Grasstree Gas Management Workshop

When : Tuesday 1 October 2019, 9am to 5pm

Location : BCO, Leichardt Room

Attendees

BCO Technical and Operations	Trevor Stay	GM Gas, Energy & Infrastructure
	Russell Packham	Technical Manager Gas
	Bharath Belle	Principal Ventilation Manager
	Paul Wild	Ventilation & Gas Technical Specialist
Moranbah North Mine	Ian Hawkins	Manager Seamgas
	Owen Morgan	Ventilation and Gas Superintendent
	Luke Perrin <u>Ashlea O'Reilly</u>	Tech Services Superintendent <u>Ventilation Assistant</u>
Grosvenor Mine	Logan Mohr	Tech Services Manager
	Casper Badenhorst	Manager Seamgas
	Wes Sweet	Coordinator
	Hayden Hearne	Ventilation and Gas Superintendent
Grasstree Mine	Tim McNally	Tech Services Manager
	David Holt	Manager Seamgas
	Danny Brouwer/James Moreby	Tech Services Superintendent
Invited Guests		
	Mark Blanch	Consultant, Palaris
	Roy Moreby	Morvent Mining Ltd
	Scott Thomson	CoalBedEnergy Consultants
	Dr Rao Balusu (CSIRO)	Mining Research Team Leader-Gas, Ventilation, Sponcom, Dust

Purpose

The purpose of the Workshop is to target specific gas management issues occurring across all 3 underground sites including:

- Review the past, current and potential future gas management issues;
- Understand the work and approaches (both successful and unsuccessful) that have been undertaken in the past to address the various gas issues;
- Consider industry experience in gas management issues and potential solutions/actions;
- Understand any data limitations and make recommendations on additional data collection/analysis requirements;
- Develop hypothesis as to the causes of the various gas issues identified;
- Identify multiple solutions/actions for the various gas issues identified;
- Make recommendations on solutions/actions to be considered to address the various gas issues

Item	Timing	Topic	Lead	Time
1.1	9:00 – 9:15	Introductions & Safety Share	All	15 min
1.2	9:15 – 10:00	Exploration and Data Gathering for gas management <ul style="list-style-type: none"> • SGE Model Data-Gas exploration data and use • ACARP Project-Latest SGE Model (CSIRO) • Gas testing of lower seams 	Dr. Roy Moreby Dr. Rao Balusu All	45 min
1.3	10:00 – 12:00	Longwall Gas Management <ul style="list-style-type: none"> • Principles of good goaf gas management systems – what works best – agree hierarchy of controls • Goaf capture efficiency • Managing TG spikes • TG diesel access • Ventilation strategy • Sensor versus tube bundle • Inertisation strategy • Department interpretation of HPI 	All By site	2 hr
	12:00 – 12:30	Lunch		
1.4	12:30 – 2:00	Low Permeability Challenge - Progress <ul style="list-style-type: none"> • Planning for Moranbah North • Stimulation • Current low permeability experience 	Russell Packham/Ian Hawkins Owen Morgan	1.5 hrs
1.5	2:00 – 3:00	Outburst Management <ul style="list-style-type: none"> • Gas Outburst-Anglo Pathways towards improved Prediction Methodology (Post 2016 Workshop) • An Alternate Outburst Methodology-NSW Experiences/Remote Mining • Progress in developing a better method than DRI900 • Overseas experience and techniques • Remote mining???? 	Dr. B Belle Dr. Scott Thomson Russell Packham Mark Blanch???	1 hr
1.6	3:00 – 4:00	Near Seam Floor Gas Emissions <ul style="list-style-type: none"> • Grosvenor experience in development (Piffing) and longwall – what next? 	Logan Mohr	1 hr
	4:00 – 4:30	Wrap up and summary – Action List	Trevor Stay	30min