

BOTSWANA

Coal & Energy

CONFERENCE II - 2010
Botswana Coal: Gaining Momentum

**SECOND
ANNOUNCEMENT**

13-15 September 2010
Gaborone International Convention Centre,
Gaborone

Following the First Conference on Coal and Coalbed Methane in Botswana in 2007 - **The Awakening of the Coal Giant** - this conference is the second in the series and is held under the sub title *Botswana Coal: Gaining Momentum*

The conference is presented by



in collaboration with the
**The Department of Mines,
Department of Geological Survey and Department of Energy Affairs
of the
Ministry of Minerals, Energy and Water Resources, Botswana**
and the
Underground Coal Gasification Association

INTRODUCTION

Botswana has vast *in situ* coal resources estimated at over 200 billion tonnes and these are currently undergoing extensive exploration. Whilst only one coal mine is currently operating with a production of 1 million tonnes per annum, several projects are in an advanced state of development. With the power crisis in the SADC region, the use of Botswana coal resources is set to meet both the national and regional energy requirements. In addition there are moves afoot to improve logistics in order to market Botswana coal internationally, including to Europe, China and India. Furthermore, there is considerable potential for the production of coal to liquids via conventional surface-plant processes and through underground coal gasification (UCG), a process gaining in credibility, technical experience and efficiency in the region. Coalbed methane (CBM) remains a potential resource of infinite value in Botswana and is subject to active exploration by various companies.

CONFERENCE OBJECTIVES

The purpose of the conference is to offer an opportunity for participants to gain the following:

- First hand information on the vast coal potential of Botswana
- Insights for those seeking business opportunities
- Experience on matters relating to coal, CBM and UCG potential
- An invaluable opportunity to be updated on developments in the resources and reserves of the country, and the mining, energy and coal based industrialisation potential
- Understanding of the Minerals Policy, legal and regulatory framework of Botswana
- Understanding of Government Initiatives in the Minerals and Energy Sectors

WHO SHOULD ATTEND

- Investors in fossil fuels and energy
- Exploration geologists and mineral resource managers
- Mining personnel and mine planners
- Power generation managers, engineers and technologists
- Gasification conversion/coal-to-liquids managers, engineers and technologists
- Boiler, kiln, furnace and gasifier manufacturers
- Suppliers of ancillary equipment including mills, crushers, ash handling and emissions monitoring equipment
- Traders and marketers - local, regional and export
- Transport and logistics personnel
- Environmental engineers and scientists
- Government legislators and policy makers
- Technologist and consultants
- Researchers and academics

PROVISIONAL PROGRAMME

MONDAY 13 SEPTEMBER 2010

18:00–20:00 Welcoming Cocktail Party in the Conference Centre

DAY 1 - TUESDAY 14 SEPTEMBER 2010

07:00-08:30 REGISTRATION

08:30-08:45 WELCOME

SESSION 1: OPENING PLENARY

08:45-09:30 PLENARY/KEYNOTE/OPENING TBA

09:30-10:00 **Overview of Morupule Coalfield resource and consequent industry development potential**
J. Tshutlhedi *Debswana Diamond Company*, D. S. Kgoboko *MCL*

10:00-10:30 TEA/COFFEE BREAK

SESSION 2

10:30-11:00 **Botswana Coalfields, lost and found** Alan Golding *Analytika Holdings*

11:00-11:30 **A re-interpretation of the coal measure stratigraphy of the Karoo in Botswana** Lesley Jefferies *CIC Energy*, Alan Golding *Analytika Holdings*

11:30-12:00 **C and CC and CCS** Derek M. Taylor *DMT Energy Consulting*

12:00-12:30 **The coming crisis of sustainability and the implications for the coal industry** Dave Collins *MAC Consulting*

12:30-13:30 LUNCH

SESSION 3

13:30-14:00 **Morupule Colliery expansion – from seam to energy** Moleko Majaha *Debswana*, Etienne Bredell *Fluor SA (Pty) Limited*

14:00-14:30 **An integrated risk assessment for spontaneous combustion** Rosemary Falcon *University of the Witwatersrand*

14:30-15:00 **The Bre-X scandal and coal Resource estimation** Lesley Jefferies *CIC Energy*

15:00-15:30 **Coal mining – current and future prospects** Jonathan C. Vergeer *MCL*

15:30-15:45 TEA/COFFEE BREAK

SESSION 4

15:45-16:15 **What no-one tells you about coal analysis before you drill** Celia Barbosa *M & L Inspectorate*

16:15-17:00 **Recent developments in the use of low grade coal for power generation with low emission**
Julian Scales *Kalahari Energy*

17:00-17:15 Summing-up and Closure

17:15 Evening at Leisure

DAY 2 - WEDNESDAY 15 SEPTEMBER 2010

07:00-08:30 REGISTRATION

08:30-08:45 WELCOME

SESSION 5

08:45-09:30 **Integrated ultra clean coal fuels feasibility** Mike Nightingale *Nightingale Africa Partnership (UK)*

09:30-10:00 **The global development of commercial underground coal gasification** Julie Lauder *UCGA*

10:00-10:30 TEA/COFFEE BREAK

SESSION 6

- 10:30-11:00 **Coal to liquids conversion technologies** Clyde Foster, Danny Botha *MegChem*
11:00-11:30 **Directional horizontal drilling in coal seams** Robert Godbolt *Scientific Drilling*
11:30-12:00 **An analysis of the coal-bearing strata in Botswana and South Africa and the potential for Underground Coal Gasification (UCG)** Dzivhuluwani "R.V." Takalani *Eskom*
12:00-12:30 **Releasing the potential of CBM: state of the art casing perforation in Botswana** David Farr
Exploration Geophysics
- 12:30-13:30 LUNCH

SESSION 7

- 13:30-14:00 **Why UCG? Why Botswana?** Alan Golding *Analytika*
14:00-14:30 **Unlocking coal bed methane in Botswana** Julian Scales *Kalahari Energy*
14:30-15:00 **Engineering challenges on small/medium scale coal beneficiation projects** Clyde Foster, Danny Botha *MegChem*
15:00-15:30 TBA
- 15:30-15:45 TEA/COFFEE BREAK

SESSION 8

- 15:45-16:15 Summary and Closure

CONFERENCE ORGANISING COMMITTEE

Conference Chairman:

Mr Kgomotso Abi, Director of Mines, Botswana

Technical Programme Committee:

Mr Alan Golding (Chairman) – Analytika Holdings

Committee:

Mr Johan Badenhorst - African Energy, Botswana

Mr Dave Collins – Consultant

Professor Rosemary Falcon – Fossil Fuel Foundation of Africa

Ms Lesley Jeffrey – CIC Energy, Geology

Mr Dick Kruger – Fossil Fuel Foundation of Africa/Chamber of Mines

Ms Julie Lauder – UCG

Mr Mac van der Merwe – CIC Energy, TransKalahari Rail

Mr Mike Nightingale – Nightingale Africa Partnership (UK)

Mr Julian Scales – Kalahari Gas

Mr Johannes Tsimako – Department of Geological Survey, Botswana

Mr Paul White – Fossil Fuel Foundation of Africa

KEY DATES

1. Full papers or extended abstracts will be required by 30 July 2010
2. Final programme 2 August 2010

Submission of abstracts to:

Conference Secretariat: Jann Otto Tel +27 11 728 8173 Fax + 27 11 728 1675
Email: events@rca.co.za or techevents@mweb.co.za

EXHIBITIONS

An exhibition will take place alongside the conference. Interested parties should please contact the Conference Secretariat:

Jann Otto Tel + 27 11 728 8173 Fax +27 11 728 1675

Email: events@rca.co.za or techevents@mweb.co.za

SPONSORSHIPS

Several exciting sponsorship opportunities are available to industry members. Sponsorship packages are available as well as sponsorship on specific items. All sponsors will be offered branding promotion whether this is inclusion of your logo on the sponsored item or as banner displays in the dining hall or venue. Contact the Conference Secretariat for further details.

ACCOMMODATION

Accommodation has been reserved at:

Grand Palm Resort Gaborone Botswana. Delegates are requested to contact the hotel directly to book and pay for their own accommodation.
(All rates quoted in Pula)

Walmont Hotel (4 star). Rates: P1 270 per room, Breakfast P137 pp - please use FOS 130910 as a reference when making your reservation.

Tel: Obitseng 00 267 363 7777 or Candice 00 267 363 7695.

Email: osibanda@grandpalm.bw or cselato@grandpalm.bw or www.grandpalm.bw

Metcourt Inn (3 star). Rates: P575 per room, Breakfast P87 pp - please use FOS 130910 as a reference when making your reservation.

Tel: Pinky Ruele 00 267 363 7905 or email: metres@grandpalm.bw

CONFERENCE SECRETARIAT

Jann Otto

FFF Technical Events

Tel: + 27 11 728 8173/4511

Fax: + 27 11 728 1675/086 653 7108

Email: events@rca.co.za or techevents@mweb.co.za

Title Surname First Name

Postal address

Telephone Mobile Fax

Email (please print clearly)

Company or Organisation
(to be invoiced)

Your company's VAT registration number

Purchase order number

Your position in the company

Accounts contact person

Accounts tel/fax number

Accounts email address

Company's Postal Address

Are you a member of the Fossil Fuel Foundation? YES NO

I would like to attend the cocktail party on 13 September. YES NO

Specific dietary requirements

Registration Fees

Full Registration fees for the conference include: Delegate folder, name tag, entrance to all sessions, abstract book & programme, CD of presentations, tea/coffee, lunches & cocktail party.

FFF Member resident in South Africa
R3 500.00 (incl. VAT)

FFF Member non-resident in South Africa
R3 070.00 (No VAT)

Non-Member resident in South Africa
R4 000.00 (incl. VAT)

Non-Member non-resident in South Africa
R3 500.00 (No VAT)

Fully Retired/Academic resident in South Africa
R 2 000.00 (incl. VAT)

Fully Retired/Academic non resident in South Africa
R1 750.00 (No VAT)

Presenter – No Charge

Invited Guest – No Charge

I have read and understood the terms and conditions

Signed:

Date:

Terms and conditions: Please note if your registration fees have not been paid by your company by 1 September 2010, you will be personally liable for the full amount which must then be paid by 10 September 2010. Attendance is STRICTLY subject to prior payment.

An invoice will be issued on receipt of a completed registration form. Please forward a deposit slip or transfer form with the invoice number as a reference is required as proof of payment.

Please fax this form to +27 11 728 1675 or email to events@rca.co.za or techevents@mweb.co.za

CANCELLATION OF THIS REGISTRATION - Cancellation may be made in writing prior to 10 days before the conference; a 25% administration fee will be charged for cancellations made within 10 days of the conference. No refund or credit note will be issued if written cancellation is not received timeously. You will then remain liable for full payment of the invoice. **Registrations are transferable.**