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Coal Quality Course | Brisbane 18, 19 & 20 February 2015

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The Coal Quality Course provides an understanding of the importance of managing coal quality from the exploration to mining and transportation. It also provides an overview of the end-use of coal in the cokemaking and power generation sectors and the impact of coal quality on these processes. The course emphasizes the need to optimize a coal resource and a product's specifications to deliver a saleable product to the end user and to maximize profitability.

This course is an ideal introduction for newcomers to the coal industry, particularly young professionals or more senior personnel transferring from other mining disciplines who need to understand the "bigger picture" behind coal quality. Over the years, several thousand people have been through this course in countries including Australia, Mongolia, Canada, South Africa, New Zealand, Singapore, Malaysia, Mozambique and more.

The course includes two and a half days of lecturing and a half-day tour of the Brisbane and Riverview coal laboratories. A textbook is also provided which covers the topics addressed during the course.

Topics covered

An Introduction to Coal

coal formation, coal rank, coal type, coal impurities and coal classification.

Sampling

precision, accuracy, bias, uncertainty, the seven golden rules of sampling, manual sampling, automatic samplers.

Coal Analysis

coal analytical tests and laboratory calculations, laboratory quality control.

Resource Evaluation

simulation of breakage behavior, washability, liberation studies, simulation of potential products.

Coal Preparation

dilution due to mining, size partitioning, density partitioning, separation efficiency, an overview of the operation of a coal preparation plant and the objectives of running a coal preparation plant.

Coal Combustion

the PF power-station and the impact of coal quality on power generation, and environmental considerations.

Coal Carbonization

the transformation of coal to coke, use of coal in the coke oven and the impact of coal quality on coke quality, the impact of coke quality on blast furnace performance.

Optional

a 3 hour inspection of two coal laboratory.

Presenters



Adrian Reifenstein M.Sc.

ALS Coal – Executive Manager, Technical Marketing
25 years' experience in coal analysis and carbonization testing and research in Canada and Australia.



Wes Membrey M.Sc. MBA

ALS Coal – General Manager, Global Operations
30 years' experience in coal quality management and training.



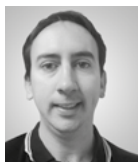
Don Holcombe B.E.

ALS Coal – Principal Consultant, Thermal Coal
has 30 years' experience in coal evaluation and consulting for coal-fired power generation.



Andrew White B.Sc.

ALS Coal – Operations Manager, Brisbane Laboratory
has 10 years' experience in coal analytical testing in Australia and Canada.



Daniel Barry B.Eng B.Sc.

ALS Coal – Coal Technology Consultant, Minesite Services
has 5 years experience in coal quality and coal preparation consulting.



Course information

When

18, 19 & 20 February 2015

Venue

ALS Coal, Brisbane
478 Freeman Road
Richlands, QLD

Registration by

11 February 2015

Additional

Lunch, refreshments, a certificate and extensive course documentation is included.

All enquiries

Kym Hoger

+61 7 3713 8400
CQC@alsglobal.com

Registration and payment

First Name	
Last Name	
Company	
Position	
Address 1	
Address 2	Postcode
Phone	Mobile
E-mail	
Registration AU \$2500 – Payment by Bank Debit, Cheque, or Credit Card.	
Credit Card <input type="checkbox"/> VISA <input type="checkbox"/> MASTERCARD <input type="checkbox"/> AMEX <input type="checkbox"/> DINERS	Expires
Credit Card Number	<input type="text"/>
Card Holder's Name	
Signature	

To secure your booking, please complete the above form and return to Kym Hoger along with your method of payment by 11 February 2015. ALS reserves the right to cancel the course if there are insufficient participants.

Rates exclude accommodation, meals and leisure facilities at hotels. Delegates will be responsible for their own costs relating to room service, spa treatments, bar and mini bar.

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