



Coal Quality Course



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 emphasises the need to optimise a coal resource and a product's specifications to deliver a saleable product to the end user and to maximise 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 Newcastle coal laboratory. A textbook is also provided which covers the topics addressed during the course.

NEWCASTLE

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 behaviour, 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 Carbonisation

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 laboratories.

Presenters



Adrian Reifenstein M.Sc.
Business Manager, Coal Technology & Exploration

25 years' experience in coal analysis and carbonisation testing and research in Canada and Australia.



Alan Pickup ADAC, ADBLT, Grad Dip Eng
ALS Coal – Quality & Technical Coordinator

32 years' experience in coal analysis, quality and coal preparation.



Don Holcombe B.E.
ALS Coal – Principal Consultant, Thermal Coal

30 years' experience in coal evaluation and consulting for coal-fired power generation.

Registration and payment

First Name		
Last Name		
Company		
Position		
Address		
City	State	Postcode
Phone	Mobile	
E-mail		

Registration AU \$1800 + GST.

Payment is required before the course. Please select your payment option:

Bank Debit Purchase order Credit Card.

If you choose to pay via Credit Card, please phone +61 7 3713 8400 to confirm your booking and we will process your credit card payment.

or print, complete, scan and email to CQC@alsglobal.com



Course information

When

28, 29 and 30 April 2020

Venue

Travelodge Hotel Newcastle
12 Steel St, Newcastle
NSW 2302

Registration by

22 April 2020

Additional

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

All enquiries

Kym Hoger

+61 7 3713 8400
CQC@alsglobal.com

To secure your booking, please complete the form on the left and return to Kym Hoger along with your method of payment by 22 April 2020. 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.

**NUMBERS WILL BE
CAPPED AT 12
SO GET YOUR
REGISTRATION IN
EARLY**

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