

# Coal Quality Course

25-27 July 2023



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 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 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 2-hour tour of Newcastle Coal Laboratory will be conducted.

## Presenters



**Adrian Reifenstein** M.Sc.

**ALS Coal – General Manager**

30+ years' experience in coal analysis, coal technology and research in Australia and Canada.



**James Bottle** B.Sc.

**ALS Coal – Coal Technology Manager**

15+ years' experience in coal analysis & coal technology.



**Alan Pickup** ADAC, ADBLT, Grad Dip Eng

**ALS Coal – Quality & Technical Coordinator**

30+ years' experience in coal analysis, coal preparation and quality management.



**Don Holcombe** B.E.

**ALS Coal – Principal Consultant, Thermal Coal**

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



**Ross Price**

**ALS Coal – Business Development Manager**

20+ years' experience in coal mining, analysis and coal superintending.

## Registration and payment

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

Registration AU \$2000 + 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.

The Coal Quality Course will be invoiced prior to the course being held and must be paid for prior to the date of the training.

If the participant wishes to cancel their registration, a full refund will be provided on the actual cost of the course, provided we receive notification of cancellation at least 7 days prior to the course date. A 50% refund will be provided up to 48 hours prior to the course date and cancellations received less than 48 hours before the course, are not entitled to a refund.

[CLICK HERE TO SUBMIT](#)

or print, complete, scan and email to [kym.hoger@alsglobal.com](mailto:kym.hoger@alsglobal.com)



## Course information

**When**

25–27 July 2023

**Venue**

NOAHS on the Beach

29 Zaara Street

NEWCASTLE NSW 2300

**Registration by**

Tuesday 18 July 2023

**Additional**

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

## All enquiries

**Kym Hoger**

+61 7 3713 8400

[kym.hoger@alsglobal.com](mailto:kym.hoger@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 18<sup>th</sup> July 2023.

Rates exclude accommodation, meals and leisure facilities at hotels.