

INDUSTRIES



mining



chemicals



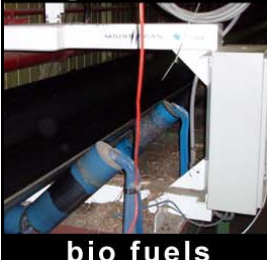
building



food



agriculture



bio fuels

MEASURING MOISTURE IN COAL

Application Note

SN: 09-013

Customer

The customer, located in Australasia currently produces a coal product for use in steelmaking applications around the world.

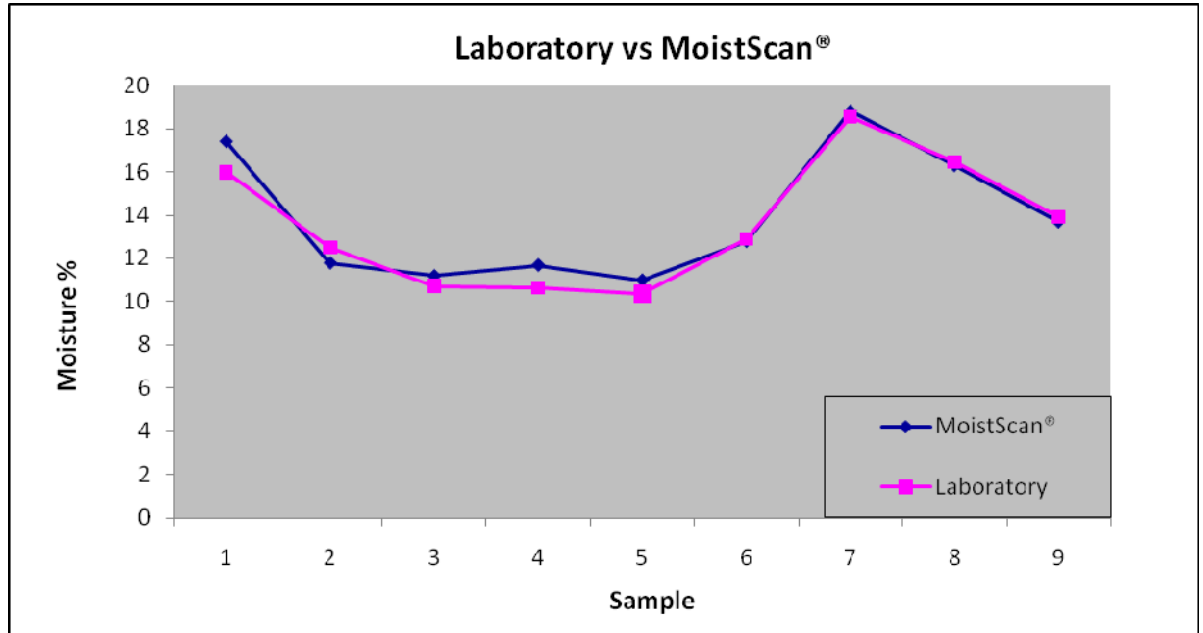
Installation

A MoistScan® MA-500HD online microwave moisture analyser is installed on the coal conveyor belt between the output of the wash plant and the stockpile bin to measure the moisture levels of the coal leaving the wash plant.



Benefit

The purpose of the instrument is to supply a constant real time moisture level of the coal to the plant control system for process monitoring.



Application Summary

Material	PCI Coal
Instrument	MA-500HD Series II with modem
Location	Feed Coal to Burners
Bed Depth	50 - 150 mm
Particle Size	Fine – 30mm

Moisture	10 - 14%
Belt Speed	Not applicable
Temperature	Ambient
Precision	±0.1%
Use	Process monitoring