

MEASURING MOISTURE IN BLENDED NICKEL ORE

Application Note

SN: 08-071

Customer

Our customer is located in Australia. They occupy significant positions in major commodity businesses, including aluminium, energy coal and metallurgical coal, copper, manganese, iron ore, uranium, nickel, silver and titanium minerals, and have substantial interests in oil, gas, liquefied natural gas and diamonds.

Installation

A MoistScan® MA-500HD online moisture analyser is installed under a small shelter along the conveyor leading from the quarantine zone to the Ore Preparation Plant.

Benefit

The MoistScan® analyser is used to provide moisture content to allow calculation of dry tonnages for mass balance.



INDUSTRIES



mining



chemicals



building



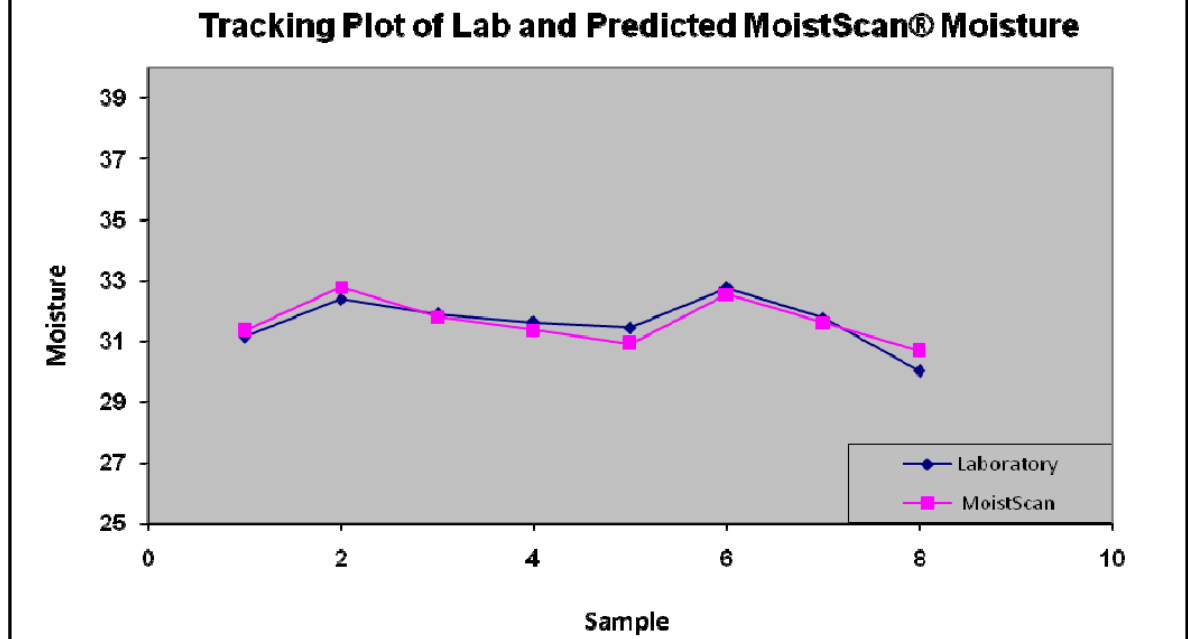
food



agriculture



bio fuels



Application Summary

| | |
|----------------------|--------------------|
| Material | Blended Nickel Ore |
| Instrument | MA-500HD |
| Location | On Conveyor |
| Bed Depth | 100 - 500mm |
| Particle Size | Mud to 200+mm |

| | |
|--------------------|--------------|
| Moisture | 25 - 35% |
| Belt Speed | 3m/s |
| Temperature | Ambient |
| Precision | 0.15% |
| Use | Mass balance |