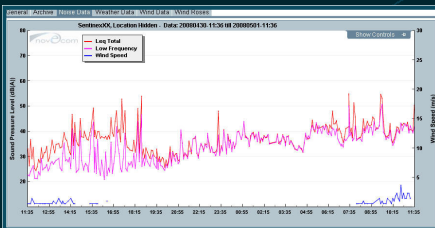


Noise Monitoring



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Case Study: Wambo Coal Mine Noise Monitoring

Client: Peabody Pacific

Project Summary

Wambo Coal Mine, owned by Peabody Pacific, is located 30 kilometres west of Singleton in the Hunter Valley. This modern, productive open-cut mine is regulated by strict environmental guidelines that require continuous real-time monitoring of noise.

A network of SentinelX units are located around the mine to monitor the noise environment and meteorological conditions. The data is collected and analysed to assess the impact of the mine's activities on the surrounding receivers. Noise data is presented graphically and compared with meteorological conditions at the time of measurement to assist in assessing the mine's contribution to the noise environment.

Project Features

- A Type 1 Noise Level with statistical and 1/3 octave capabilities
- Digital audio recording 24 hours per day 7 days per week
- Access to real time results via a dedicated web repository
- Access to live streaming audio via the web repository
- A local meteorological station
- In-field diagnostics using a solid-state computer
- Web communications using NextG
- SMS warning alarms

Project Benefits

- Continuous monitoring of the noise environment
- Proactive noise management
- Opportunity to improve community relationships
- Transforming monitoring data into management information