

## **Proposed Operational Responses to Weather Forecasts**

### **Noise**

Wambo Coal Pty Ltd's (WCPL) Noise Risk Forecast system utilises the Pasquill-Gifford atmospheric classification system. This system predicts the height and strength of inversion layers above the ground and the resulting enhancements of noise.

When the noise risk forecast indicates a moderate to high risk of noise-enhancing conditions, staged start-up of equipment will be employed at start of shift on day shift and following crib break on night shift. WCPL will implement low level dumping procedures where available when conditions indicate possible increased noise propagation.

WCPL has a network of real time noise monitors providing continuous real time noise data that allows key operational personnel to monitor noise from the operations. Additional controls are implemented in accordance with the Trigger Action Response Plan (TARP) described in the WCPL Noise Management Plan.

### **Dust**

The meteorological forecasts are reviewed for upcoming predicted temperatures and wind speeds that may trigger operational responses as per the Risk/Response Matrix described in the Air Quality and Greenhouse Gas Management Plan.

WCPL has implemented a Proactive Air Quality Management Protocol to facilitate the operational response to forecasted weather conditions and the day-to-day management of dust emissions from WCPL's activities. Dust mitigation measures are actively carried out in accordance with the WCPL Air Quality and Greenhouse Gas Management Plan.

In addition to the predictive forecasts, actual measured temperature and wind speeds from the WCPL meteorological station are monitored to identify if operational responses may be required. WCPL also has a network of real time PM10 monitors that allows key operational personnel to monitor air quality in the vicinity of the operation. WCPL's Reactive Air Quality Management Protocol is utilised if any exceedances of the air quality assessment criteria occur and/or if unexpected adverse or extraordinary meteorological events are experienced at the Mine.