

How we will manage and reduce Noise, dust and vibration



Wandoan Coal Project Fact Sheet



Xstrata Coal takes its responsibility for the local environment very seriously and will implement leading management practices and standards to minimise and manage any potential impacts from dust, noise and vibration.

Managing noise

If the Project proceeds, an extensive noise monitoring and mitigation program will be implemented during construction and operation of the mine and its associated infrastructure.

This program will include:

- Developing and implementing a comprehensive noise monitoring program
- Regularly maintaining machinery to minimise noise
- Where possible, using machinery that is designed to be quieter
- Storing and starting-up equipment as far as possible from residential areas
- Providing a free-call hotline for residents to report noise concerns
- Where appropriate, installing temporary structures or screens to limit noise.

Caring for the air

As the Coordinator-General's report states, an extensive Air Quality and Dust Management Plan will be developed to reduce the potential impact of construction activity and ongoing operations on air quality.

This plan will include:

- Developing and implementing a comprehensive air quality monitoring program
- Introducing on-site dust management procedures which will include the use of water trucks, wheel washers, road sweepers and dust suppressants
- Regularly monitoring the weather to direct operations and reduce the impacts of dust and noise on the local community
- Introducing dust suppression techniques on stockpiles



Above left: An air quality monitoring station will regularly check air quality in and around the mine site.
Above right: Blast monitoring stations will be installed to measure ground vibration.



- Regularly maintaining equipment
- Progressively revegetating disturbed areas
- Providing a free-call hotline for residents to report concerns.

The Coordinator-General has conditioned the Project that dust generated by mining activities must not exceed air quality objectives at a sensitive place:

- a level of deposited dust of 120 milligrams per square metre per day based on a monthly average
- a concentration of total particulate matter suspended in the atmosphere of 90 micrograms per cubic metre over a one year averaging time.

The Coordinator-General has conditioned the Project to take all reasonable and practicable measures to limit the concentration of particulate matter generated by the mining activities with an aerodynamic diameter of less than 10 micrometres, to:

- 50 micrograms per cubic metre suspended in the atmosphere over a 24 hour averaging time with not more than five exceedences recorded over 12 months at any sensitive place.

Reducing vibration

A detailed Blast Management Plan will be developed to prevent potential vibration impacts that may occur as a result of the mine's blasting activity.

This plan will include:

- Regularly undertaking vibration monitoring
- Notifying residents of the mine's blasting operations well in advance of blasting events

- Where necessary, using trucks or excavators to replace the need for blasting activities
- Where requested by building owners, undertaking conditional surveys of buildings and structures within two kilometres of potential blasting activities.

Product transport related air quality

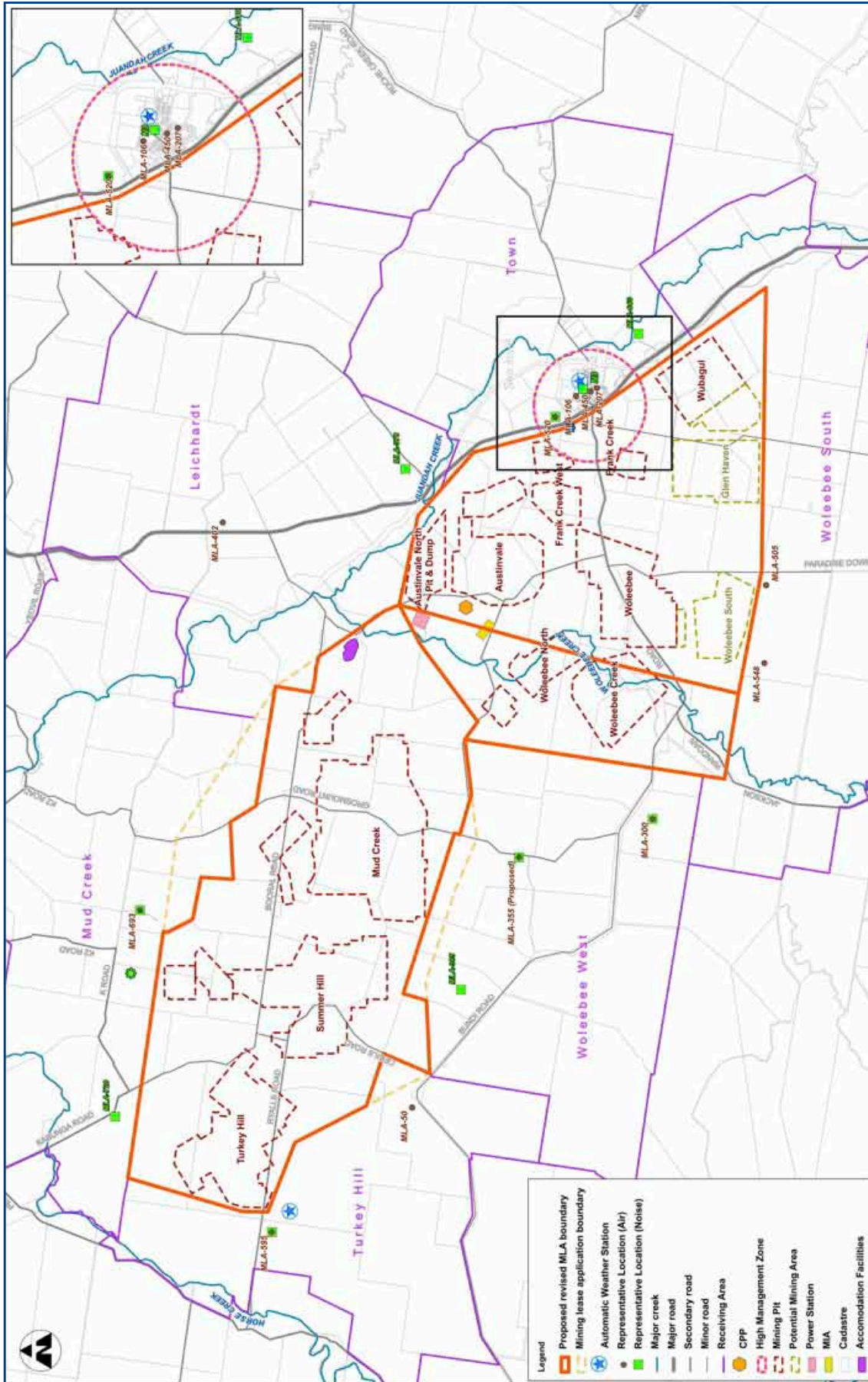
As the Coordinator-General's report states, the Project will supply coal for rail transport processed through a coal handling and processing plant, with a coal surface water content designed to reduce dust emissions during rail transport.

It will also profile the surface of coal in wagons to a flat 'garden bed' shape and use overloading controls to prevent wagon overloading and minimise the loss of coal during transport.

High Management Zone for two kilometres around Wandoan township

The Wandoan Coal Project has identified a two kilometre zone measured from the Wandoan Post Office that will become a High Management Zone. The Coordinator-General has conditioned the Project that no open-cut mining will occur within that Zone. Activities other than open-cut coal extraction, including for example, roads, pipelines and powerlines will not be excluded.

Wandoan Coal Project Fact Sheet: Noise, dust and vibration



The Wandoan Coal Project has identified a High Management Zone for two kilometres around the township of Wandoan where mining will not initially be undertaken.

To find out more:

Talk to a member of our project team, call our free-call information line **1800 052 797**. The EIS and the Coordinator-General's Report are available online at www.wandoancoal.com.au and can be viewed at the Xstrata Coal Shopfront in Royd Street, Wandoan.

Xstrata Coal Queensland

Level 2, 340 Adelaide St,
PO Box 2587 Brisbane QLD 4001
www.xstrata.com