

Coking Coal

Information Sheet

Coking Coal used to make steel

The Rocky Hill Coal Project will be a comparatively small, modern, open cut mining operation that, if approved, will bring jobs and other economic benefits to people of the Gloucester area.

Our mining activities will not only be providing a boost to the local economy, including local jobs, but also be producing a raw material used to make products we take for granted in our daily lives.

Different Types of Coal

There are two principal end uses for the black coal mined in NSW.

Coking coal or metallurgical coal. Coking coal is the building block of society. It used to produce coke and is the principal coal to be mined at the Rocky Hill Coal Project. Coke is a porous solid composed mainly of carbon and ash and is produced when the coal is heated to drive off volatile matter. Good quality coke is hard, has a high crushing strength and is mainly used in blast furnaces that produce iron. Iron is then used to produce steel and a range of other products. For steel production there is no substitute for coking coal.

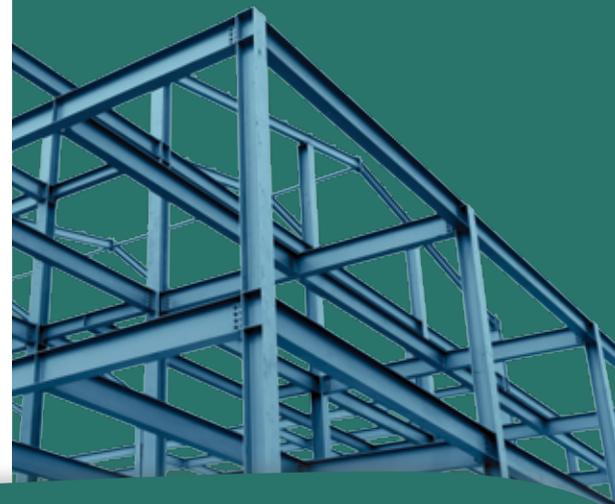
Thermal coal: This is used in power stations to generate electricity. It is often referred to as steaming coal. Less than 5% of product from the Rocky Hill Coal Project will be thermal coal.

Useful by-products

Coking coal is used to make the silicon used in your computer, mobile phone and solar panels. Making the coke also produces by-products used to make plastics, paints, solvents medicine and perfumes.

Coking Coal is used in:

- Homes and office buildings
- Roads and bridges
- Motor vehicles and trucks
- White goods (washing machines, dryers, fridges, etc.)
- Stainless steel products used in hospitals, food production and storage
- Reinforced Concrete
- Transport systems such as rail and shipping
- Aeroplanes
- Power lines and support towers
- Mining and industrial equipment
- Farm equipment like tractors, ploughs, fencing, cattle yards, pumps, grain storage silos
- Communication systems such as TV towers, mobile phone towers and satellite dishes
- Defence equipment
- Alternative energy products (solar panels, wind turbines, tidal energy systems, geothermal power stations and gas turbines)
- Pipelines for gas, water, sewerage and fuel



More Information

This project information sheet is one of a number developed on topics that the community has told us are of importance to them. For more information about the Project and copies of other sheets please visit www.rockyhillproject.com.au

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