

About Bauxite Alumina Joint Ventures



Bauxite Alumina Joint Ventures (BAJV) is an exciting joint venture partnership that commenced in 2011 between Yankuang Resources Limited (Yankuang) and Bauxite Resources Limited (BRL). BAJV has exploration projects in the Darling Range, which is the largest bauxite mining and alumina producing region in the world.

OUR GOALS

Our long term goal is to create a sustainable value-adding industry, marking a new era in WA bauxite-alumina production. The key elements of the development strategy are:

- An exploration program to identify bauxite resources and potential mining development in Western Australia's Darling Range and agricultural regions;
- Development of the Felicitas Bauxite Mining Project in Toodyay; Developing options for direct export and local processing;
- Doing this while maintaining a commitment to strong community partnerships and effective environmental management.

WHERE DO WE OPERATE?

Exploration is focused on the development of refinery grade deposits and to identify Direct Ship Ore opportunities.

BAJV has extensive tenements along the Darling Range.

We are conducting exploration within these tenements, the majority of which are on privately owned farmlands. As such our exploration activities are done with consent of the landowner.

For more information visit:
www.bajv.com.au/projects/exploration.aspx

HOW WE MINE AND REHABILITATE?

BAJV will be conducting shallow-pit minimum impact mining which involves free digging rather than blasting to extract the material. This method has fewer impacts on the environment compared to traditional means of bauxite mining.

Working with local farmers we rehabilitate the land to a mixture of pasture and native vegetation on private farmland.

The minimum impact mining process involves the following steps:

Step 1: The top soil is removed in layers and stockpiled to be used later for revegetation and remediation work.

Step 2: The unsuitable gravels (known as overburden) are removed and stockpiled. Overburden is approximately one metre deep.

Step 3: The bauxite ore is then collected by free digging (on approximately five metres deep) and stockpiled for distribution.

Step 4: Once the ore has been collected, the overburden and topsoil are replaced. Then contouring and land-forming is carried out to blend with the surrounding area.

Step 5: Rehabilitation of the mine pit occurs as soon as practicable after mining, with the objective to replant / reseed prior to the wet season.

ENVIRONMENTAL MANAGEMENT

BAJV will be required to undertake a range of technical investigations to determine the potential impacts and mitigation actions of any proposed mining or refining operations. These will be evaluated as part of the regulatory impact assessment process by government and communicated to stakeholders throughout project developments.

Some of our technical investigations and proposed management activities will include areas such as:

- Flora and vegetation;
- Fauna;
- Surface and ground water;
- Acid sulfate soils, soil profiling and soil quality;
- Dieback
- Greenhouse gases;
- Transport;
- Air quality;
- Noise;
- Visual amenity;
- Fire management
- Cultural heritage and;
- Social and economic impacts.

For the latest information, please contact BAJV's Environmental Manager.

Level 2, Building E, 355 Scarborough Beach Road, Osborne Park, WA 6017

P: 1800 088 042 or **E:** admin@bajv.com.au **W:** www.bajv.com.au

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WORKING WITH THE COMMUNITY

BAJV is firmly committed to working closely with local communities where we have significant resources and developments. Our most significant resource and project development is the Felicitas Bauxite Mining Project, located West of Toodyay. We will be putting in place a number of ways of providing information throughout the development and to hear your comments. We are establishing a shop front in Toodyay, a Community Consultative Committee and opportunities to talk to the community. Information will be available in the Toodyay Herald newspaper each month and on our website.

The company is committed to:

- Informing stakeholders about the company's proposed activities.
- Addressing community concerns.
- Effectively and clearly assessing the social impacts of our proposed operations in collaboration with community stakeholders.
- Involving impacted stakeholders in management and mitigation strategies with any potential social impacts and opportunities.
- Continuing to monitor community perceptions of proposed operations.

Over and above a commitment to communicate effectively, a major aim is to provide social and economic benefits, including:

- Employment for local people.
- Commerce opportunities for local business.
- Opportunities for training and local partnership programs.
- Compensation for farmers and landowners for lost and land used.

Collaborating with the communities in which we operate, we will work towards positive outcomes for the community, environment and the local economy. We welcome your feedback and questions on any aspect of our proposed operations.

For more information about Bauxite Alumina Joint Ventures, please visit: www.bajv.com.au or contact us on tel: 08 9200 6300 or email: admin@bajv.com.au



WHAT IS BAUXITE?

Bauxite naturally occurs as one or more minerals made up of a mixture of alumina (or aluminium oxide), water, iron oxide, silica and other lesser compounds. It appears pebble-like and is often referred to as 'coffee rock or gravel'. It is non toxic and found in concentrations (or pods) throughout the Darling Range of Western Australia.

WHAT IS BAUXITE USED FOR?

Alumina can be extracted from bauxite ore and then used to produce aluminium, which is a particularly versatile metal. Aluminium is considered the metal for the future as it can be recycled many times. In fact, 75 percent of all aluminium ever produced is still in productive use today.

BAUXITE AND THE DARLING RANGE

The Darling Range is the largest bauxite producing region in the world, responsible for 18% of the world's alumina, with well established environmental and rehabilitation practices tested over the past 40 years.

Darling Range bauxite has a lower energy requirement for alumina extraction making WA one of the most environmentally efficient and cost effective alumina producing regions in the world.

WHAT IS A 'MINING TENEMENT'?

A mining tenement is an area with a lease or licence to explore or mine. Tenements have straight sides and may overlap many properties and natural landscape in odd shapes rather than simply along property boundaries.

WHO OWNS THE MINERAL RIGHTS?

The landowner owns the rights to minerals other than gold, silver and precious metals for all private land alienated before 1 January 1899. This is referred to as Minerals to Owner (MTO), except where such rights have been transferred to another party. For all land alienated after 1 January 1899 the mineral rights belong to the Crown. This is referred to as Minerals to Crown (MTC) and is regulated by the Department of Mines and Petroleum. Most of BAJV's project development of resources is on MTC lands.

LAND ACCESS

BAJV must obtain written consent of the landowner before accessing any land for exploration and/or mining.

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