

FACT SHEET

EASTERN OPERATIONS

OUR COMPANY

Cristal Mining Australia Limited (Cristal Mining) is one of Australia's premier mineral sands miners. Cristal Mining's mining and mineral separation operations are located in the Murray Basin region in New South Wales. When ranked by production volume we are ranked in the top 10 of global mineral sands-producing companies. Cristal Mining is owned by Cristal, the world's second largest producer of titanium dioxide.

GINKGO & SNAPPER PROJECTS

Cristal Mining presently has two operating mines in the Murray Basin. Dredge mining has been in operation at the Ginkgo mine near Pooncarie since Dec 2005. Surface mining commenced at the nearby Snapper mine in 2010 with a second dredge commencing at Snapper in Jan 2011. The ore is initially concentrated at site and then trucked to Broken Hill for further processing at our mineral separation plant (MSP). Final MSP products are transported by rail to Port Adelaide where they are shipped to our customers in Australia and to the rest of the world.

ATLAS - CAMPASPE PROJECT

Cristal Mining is planning to establish a further mine in the Murray Basin to be called Atlas-Campaspe. Atlas-Campaspe will be located 80 km north of Balranald and approximately 270 km south-east from Broken Hill. Because of its remote location, construction of appropriate infrastructure support has been a major component of development.

Cristal Mining is currently funding an \$8 million feasibility study to determine the viability of the Atlas-Campaspe Project and to achieve both State and Commonwealth government environment approval and Development Consent. The Environmental Impact Study (EIS) was completed and submitted to the Department of Primary Industries of NSW in February 2013 and environmental and mining approvals are expected by the end of 2013. Preliminary design is planned to commence during 2014.

The deposit consists of over 6 million tonnes of contained heavy mineral to be concentrated and processed into Ilmenite, Leucoxene, Zircon and Rutile end products. The mine has a planned mine life of 11-20 years.

ECONOMIC IMPACT

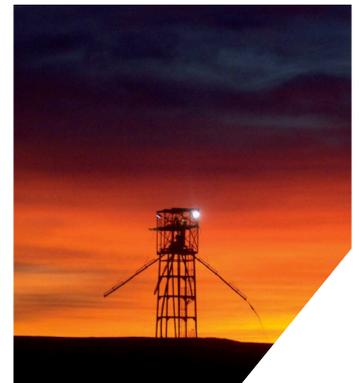
The Atlas-Campaspe project will require a capital investment of approximately \$200 million (2012 dollars) staged over 6 years, with an initial up-front cost of \$140 million. Over 200 personnel will be required during the construction phase of the project. Between 100 to 150 full time employees will be required when the site is operational.

Benefits to the local and State economy over the mine life are estimated at over \$1,000 million. This would also incorporate a further expansion of the present Broken Hill MSP.

INFRASTRUCTURE

Power options are presently being considered. Initial power will be via on-site generators. The option to construct a new power line from Balranald will be revised at a later date.

As mentioned logistics is an issue in a remote location like Atlas Campaspe. At this time the preferred transport route is to truck heavy mineral concentrate (HMC) from Atlas-Campaspe to Ivanhoe, and then rail the HMC from Ivanhoe to our MSP. This route involves travelling highways from Balranald to Ivanhoe. There is approximately 50 kilometres of unsealed road to the south of Ivanhoe. A proposal put forward by the local shires of Balranald and Central Darling is to have this section sealed as part of the



Wool Track between Balranald and Cobar. Cristal Mining has supported the local shires in this endeavour and has secured State Government funding for this project.

With potential infrastructure upgrades and employment opportunities on offer in the local area, positive community feedback from Ivanhoe and Balranald has been strong.

SUSTAINABILITY & ENVIRONMENT

Cristal Mining has a successful record of rehabilitation in both the east and west of Australia. Former mining projects Jangardup, Yarloop and Sandalwood have been successfully rehabilitated in consultation with the local landowners.

Cristal Mining recently completed its first major rehabilitation program in the Murray Basin at Wemen and Ginkgo mine sites. Innovative design has significantly reduced the effects of erosion at these sites. Not even the 1-in-200 year flooding event that occurred in February 2011 could dampen the efforts.

COMMUNITY

Cristal Mining employs 211 staff and over 350 contractors at these operations the majority of whom live within the region. It is estimated that the State and the region benefit by over \$120 million per year in salaries, payments to suppliers and royalties.

MORE INFORMATION

Cristal Mining is proud of its safety and environmental achievements. Please contact us if you would like further information on any aspect of our local operations.

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National Titanium Dioxide Company Ltd. ("Cristal") is the world's second-largest producer of titanium dioxide and a leading producer of titanium chemicals. Cristal operates seven manufacturing plants in six countries and employ nearly 4,000 people worldwide.

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