

Mount Isa Fertiliser Complex



Proposed timeline from DA to operation

Late 2010
Submit DA to Mount Isa City Council

Early to Mid 2011
Council seek input from government agencies before approving DA (Includes public comment period)

Mid 2011
Mount Isa City Council announce decision of DA

***Mid to Late 2011**
Legend completes fertiliser complex design

***Late 2011**
Construction starts

***2013**
Fertiliser complex begins operation

* = pending DA approval by Council

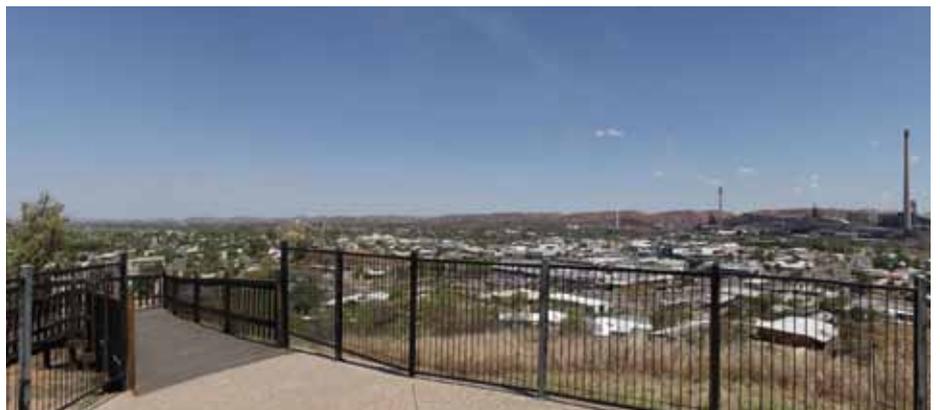
Proposed Mount Isa Fertiliser Complex

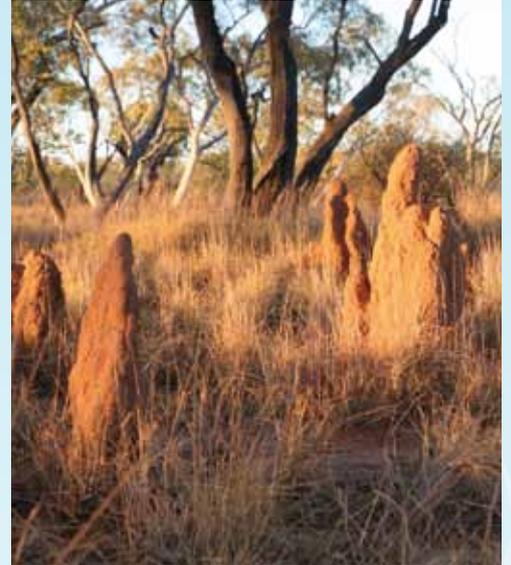
Legend International Holdings Inc. (Legend) proposes to build and operate a fertiliser complex south of Mount Isa. The proposed fertiliser complex would process phosphate ore from surrounding mines to produce fertiliser products, including Diammonium and Monoammonium Phosphate (DAP/MAP) for the domestic and global markets. Legend is currently preparing a development application (DA) for submission to the Mount Isa City Council to seek planning and environmental approval for the project.

Where would the complex be located and why?

The 650 acre site is located approximately 10 km south of Mount Isa and adjacent to the Mica Creek Power Station and Mount Isa to Townsville railway line.

Legend's proposed Mount Isa Fertiliser Complex is being developed in accordance with the current government regulated land use standards. Identified by the Mount Isa City Council during the 1990's as a potential industrial precinct, the land then undertook extensive consultation with the State Government, community and traditional owners before being re-zoned for industrial uses in 2006.





Why is the fertiliser complex needed?

Legend proposes to develop a number of phosphate mines in the Georgina Basin – including the Paradise North and Paradise South phosphate projects. The Mount Isa Fertiliser Complex will process the phosphate ore product from these mines into export quality fertiliser products.

How will the community benefit?

Initial construction and operation of the Mount Isa Fertiliser Complex is expected to create over 1300 direct and indirect jobs for the Mount Isa and greater north-west region of Queensland. As well as providing training and employment opportunities, the project will contribute to local, state and national economies in the form of royalties, taxes, regional development, investment and improved services.

What about the environment?

Legend has engaged a range of environmental consultants to complete an environmental assessment to support the DA. The environmental assessment will assess potential environmental, social and economic impacts and identify strategies to mitigate, manage or offset these impacts. The environmental assessment will cover all stages of the process, from construction and operation to decommissioning of the site. Environmental investigations into key issues such as air quality, water management and quality, ecology, cultural heritage and transport will be completed as part of the environmental assessment which will support the DA for the project.

How can you be involved?

Legend will continue to engage with, and seek support from, the local Mount Isa community as the project develops. During all stages of this project, Legend will provide ways local businesses can be involved. To register your interest in this project, please visit our 'be involved' section on the project website at www.lgdi.net.

Did you know...

Phosphate ore manufactured into phosphorous fertiliser is essential for healthy plant growth. Australia typically has phosphorous-deficient soil and relies heavily on phosphorous-based fertiliser. It is used widely in the agricultural industry to help grow the food we find in our supermarkets.

Stay informed

Community feedback on the proposed fertiliser complex is valuable, and we encourage you to have your say. If you have any questions or would like more information, please contact the project team on:

- phone (07) 4774 4206
- email community@lgdi.net
- visit www.lgdi.net/community



Mount Isa Fertiliser Complex

Mount Isa Fertiliser Complex operations

A new fertiliser complex, to be located 10km south of Mount Isa, is being proposed by Legend International Holdings Inc. (Legend). The proposed fertiliser complex would process phosphate ore from surrounding mines to produce a range of fertiliser products for the domestic and global markets. A development application (DA) is currently being prepared by Legend for submission to the Mount Isa City Council for planning and environmental approval.

Currently the mines scheduled to provide phosphate ore to the fertiliser complex for processing are in the planning and approval phases. The Paradise North mine, when approved, would start phosphate mining in 2013 for a period of five years. Paradise South, when approved, would start supplying phosphate ore to the fertiliser complex for processing from 2017 with an outlook to 2045.



About Legend

Legend is an exploration and mining company with current interests in phosphate ore deposits in the Georgina Basin. Legend plans to develop Paradise North and Paradise South mines. Legend is an international company with offices in Mount Isa, Melbourne and New York with an aim to become a global leader in the production of high quality phosphate and fertiliser products. For further information about the company, please visit www.lgdi.net.

Fast facts

- The site compound is 650 acres, and will house three main precincts:
 - fertiliser complex precinct
 - storage, rail siding and load out precinct
 - administration, maintenance and car parking precinct.
- The proposed fertiliser complex would consist of a sulfuric acid plant, a phosphoric acid plant, an ammonium phosphate plant, an aluminium fluoride plant and an ammonia plant.
- Up to 2 million tonnes of phosphate ore would be supplied to the complex each year from Legend's phosphate mines.
- Up to 1.2 million tonnes of ammonium phosphate fertiliser would be produced for market each year.
- Up to 30,000 tonnes of aluminium fluoride would be produced for market each year.
- Raw water used during operation would be supplied from Lake Julius via Lake Moondarra. A new pipeline will transport water from Mt Isa city to the site.
- A new site access road would be constructed for the complex.

What's the process from mining to export?

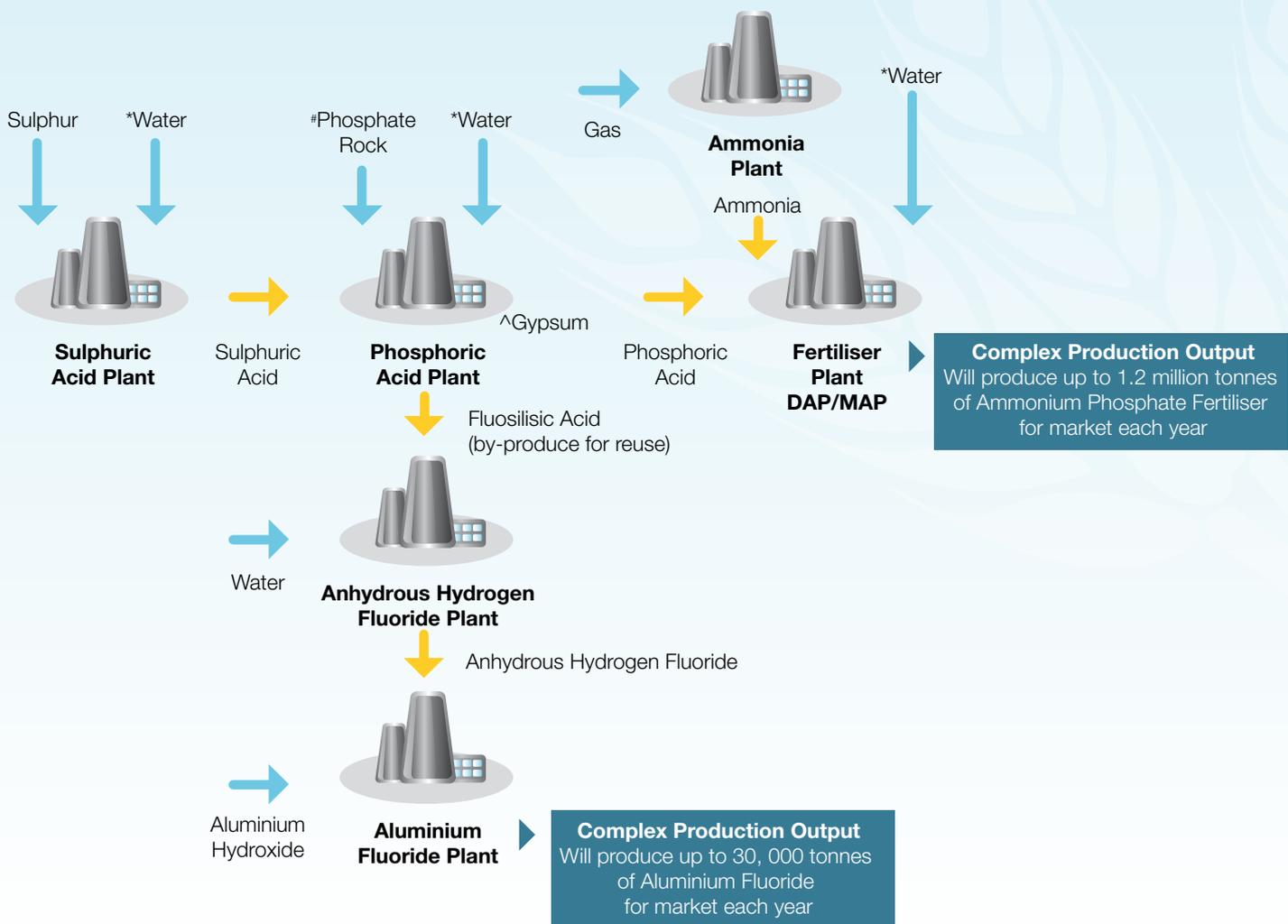
Up to 2 million tonnes of phosphate ore will travel from the mines to the fertiliser complex via slurry pipeline or existing roads (for smaller quantities).

Phosphate ore is processed at the fertiliser complex into high grade ammonium phosphate fertiliser. (DAP/MAP)

The final product will be transported by rail from the fertiliser complex to Townsville for domestic and international markets.

How will the fertiliser complex operate?

The proposed fertiliser complex would consist of six operating plants to help produce two products for domestic and global markets. The graphic below shows how the plants will operate together to produce ammonium phosphate fertiliser, or DAP/MAP as it is commonly known, and aluminium fluoride.



* Water will be sourced from the Lake Julius water allocation

Phosphate rock will be sourced from Paradise South and Paradise North mines, 160km from Mount Isa

^ Gypsum is a production by-product

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