

Thunderbird

Mineral Sands



SheffieldResources
LIMITED

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THUNDERBIRD MINERAL SANDS PROJECT

The Thunderbird Mineral Sands Project, centrally located between Broome and Derby, is being developed by Sheffield Resources Limited ASX:SFX.

Thunderbird is a large-scale, long life, mineral sands mining and processing project with low environmental impacts and long term benefits.

Sheffield is undertaking a Bankable Feasibility Study (BFS) and Public Environmental Review (PER) of Thunderbird, due for completion in 2017.

Sheffield envisages commencement of construction in 2017. First exports through the ports of Derby/Broome are notionally planned for 2019.

Recognized as a significant Project, Thunderbird enjoys "Lead Agency" status with the State Government via the Department of Mines and Petroleum.

Sheffield believes that Thunderbird can help transform the community through the creation of 140 permanent and many more indirect local jobs. Income will stay in the region, supporting businesses, retail and lifestyle.

WHAT IS A BANKABLE FEASIBILITY STUDY?

A feasibility study is an in-depth examination of a project's potential for commercial success. The study determines if the project is possible with available resources, if it will generate sufficient cash flow to justify cost and its viability over time. A feasibility study is "bankable" prepared with enough detail and objectivity to be submitted when seeking financing for the project.

The Thunderbird BFS study activities include:

- Metallurgical test work for product quality specifications
- Confirmatory fieldwork, such as drilling, geotechnical activities and environmental studies
- Preliminary design engineering studies
- Supply quotes and cost estimates for construction and operations

The Thunderbird BFS should reliably provide Sheffield with:

- Estimates of both quantities and prices of plant, equipment, buildings, roads, and the likes
- Estimates of both capital and operating costs
- Risks and opportunities
- Preliminary project construction plan, legal and commercial requirements

The BFS is being undertaken by lead engineering group, Hatch.

Non-reactive and non-toxic, mineral sands products are used by you everyday, in your toothpaste and artificial joints, your crockery and porcelain, paint, medicines, food colouring and sunscreen.



OTHER ACTIVITIES

Community information sessions and stakeholder briefings are being undertaken in Derby and in Broome.

Permitting, Native Title and community engagement are being progressed through Sheffield's vigorous program of government and community liaison.

The environmental approval process is on track with the Environmental Protection Authority, having endorsed the Thunderbird Environmental Scoping Document (ESD) on 4 July 2016. The ESD defines the content and details that Sheffield must provide for the Thunderbird PER.

Traditional Owners, pastoralists, government and the community are engaging with Sheffield about the opportunities and impacts arising from the development of Thunderbird.

LIKE TO KNOW MORE?

For more information, or to register for a briefing or project presentation, contact:

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