



Interim Definitive Feasibility Study (DFS) Update for the Ancuabe Graphite Project

Updated Upfront Capital Expenditure of US\$99.1M – in-line with the 2017 DFS estimate despite material cost inflation over intervening period

HIGHLIGHTS:

- **Interim Update of the 2017 DFS Update following a review of the upfront capital expenditure for the Ancuabe Graphite Project**
- **Despite material cost inflation over the period since the 2017 DFS, the updated upfront capital expenditure estimate of US\$99.1 million is in-line with the 2017 DFS¹ estimate (US\$99.9 million), consisting of:**
 - **Material reduction (12%) in cost of major capital items and indirect equipment such as steel, platework, pipe work and electrical;**
 - **Offset by increased in-country services and construction materials costs such as civil engineering, labour and construction materials, which has increased by approximately 30% due to industry inflationary pressures evident since 2017**
- **Major capital costs sourced from experienced graphite mining equipment manufacturer - Yantai Jinpeng Mining Machinery Co. Ltd, (Jinpeng), whom Triton recently awarded the contract for Front End Engineering Design (FEED) works for the process plant and associated non-processing infrastructure²**
- **Site-visit currently underway with representatives of both Triton and Shandong Yulong, focused on execution planning and in-country establishment works**
- **Final DFS Update expected to be finalised in Q2 CY2023 which will cover the remaining inputs to be refreshed as part of the DFS Update: graphite basket pricing, upfront capital expenditure, operating expenditure and sustaining capital expenditure. The DFS update works have largely been completed and currently the results are under review and finalisation.**

Triton Minerals Limited (ASX: TON, Triton or Company) is pleased to provide an interim update in relation to its update of the December 2017 Definitive Feasibility Study (**2017 DFS**) (**Interim DFS Update**) for the Ancuabe Graphite Project.

Triton’s Executive Director, Mr Andrew Frazer said:

“It is a pleasing result that the initial capital costs have come in in-line with the 2017 DFS estimate, especially in light of the recent inflationary pressures experienced by the mining industry.

During the FEED stage we will continue to optimise the project with respect to costs estimates, performance across the flow sheet and further de-risking of the project towards construction.”

Interim DFS Update

The DFS Update is focused on refreshing the key financial inputs such as graphite basket pricing, upfront capital expenditure, operating expenditure and sustaining capital expenditure. The DFS Update does not include a review or additional works on the underlying assumptions such as geology (Resources and Reserves), mine planning, process metallurgy/process flow sheet or concentrate metallurgy.

The Interim DFS Update was solely focussed on updating the upfront capital expenditure estimate which has been updated to approximately US\$99.1 million, which is in-line with the 2017 DFS estimate of US\$99.1 million, despite material cost inflation over the intervening period.

Upfront Capital Expenditure Estimate – Comparison of 2017 DFS compared with DFS Update

Ancuabe Graphite Project	2017 DFS Total (Inc Cont)	2023 DFS Update Total (Inc Cont)
Process Plant and Infrastructure		
1 - Treatment Plant Costs	36,077,044	30,722,939
2 - Reagents & Plant Services	8,152,930	8,974,999
3 - Infrastructure	24,432,498	28,033,772
0 - Construction Distributable	10,006,092	11,666,471
5 - Management Costs	7,817,649	7,817,649
Total Process Plant and Infrastructure	86,486,212	87,215,830
Other Costs		
4 - Mining	4,970,836	5,010,466
6 - Owners Project Costs	7,895,410	6,894,483
Total Other Costs	12,866,245	11,904,949
Total Project	99,352,457	99,120,779

Note: estimate includes contingency of an average of 9% across cost elements for both 2017 DFS and the 2023 DFS Update.

As evidenced in the table above, there was a 12% reduction in costs for major capital items and indirect equipment such as steel, platework, pipe work and electrical. However, this was offset by increased in-country www.tritonminerals.com | ASX: TON ABN: 99 126 042 215

services and construction materials such as civil engineering, labour and construction materials costs, which have increased up to 30% due to industry inflationary pressures evident since 2017.

Major capital costs were sourced from experienced graphite mining equipment manufacturer – Yantai Jinpeng Mining Machinery Co. Ltd, (**Jinpeng**), associate company of Yantai Oriental Metallurgical Engineering Co., Ltd whom Triton recently awarded the contract for FEED works for the process plant and associated non-processing infrastructure².

Perth based engineering and procurement consultants Verum Projects and Engineering have been assisting Triton with the DFS Update with the support of inputs from Jinpeng.

Early Contractor Involvement (ECI) Process

As part of this DFS update process, the Company is undertaking an ECI process, allowing preferred contractor involvement in the design process, which can be more cost and time effective, increasing transparency and leading to a reduction in contract variations.

As part of the ECI process, Triton's Chief Operating Officer, Adrian Costello has recently completed a trip to China, to progress discussions with Shandong Yulong, Jinpeng and also mining, construction and civil contractors the Company may appoint formally in due course.

Project Execution Planning and Establishment Works

Project execution planning has commenced, which is part of Triton's strategy to advance project workstreams in parallel with the completion of the DFS Update and the FEED process to ensure construction can commence as soon as possible. This planning outlines how Triton plans to successfully complete the Ancuabe Graphite Project on-time and on-budget, and will specify approach, tasks and schedule. The Project will be designed and constructed to industry and regulatory standards, with emphasis on addressing all safety, environmental and community issues. Triton, its consultants and contractors will utilise local resources, including human, natural, technical and commercial resources.

A visit to the Ancuabe Graphite Project's proposed port, the port of Pemba which is located approximately 85km east, primarily via sealed highways, and the Ancuabe Graphite Project site by a team from both Triton and the Shandong Yulong is currently in progress. The team is undertaking in-country planning and establishment works such as the re-establishment of Pemba offices, accommodation and services/infrastructure and establishment of long-term project offices.

Moving Forward

The final results of the DFS Update are planned for release in Q2 CY2023, which will incorporate final updates to the remaining key financial inputs such as graphite basket pricing, upfront capital expenditure, operating expenditure and sustaining capital expenditure. The DFS update works have largely been completed and currently the results are under review and finalisation.

Project execution planning is expected to complete in Q2 CY 2023 and, following that, Triton will be recruiting an in-country project team which will see key project members relocating to Pemba in the Cabo Delgado region of Northern Mozambique, to progress the FEED works and commence project execution.

It is expected that the FEED works will be completed in Q2 CY2023 following which the company will provide updated timing with regards to targeted commencement of construction.

END NOTE

1. ASX Announcement - 15 December 2017 - 'Triton delivers robust Ancuabe Definitive Feasibility Study and declares maiden Ore Reserve'
2. ASX Announcement – 29 March 2023 - Appointment of Jinpeng as Front End Engineering Design Contractor for the Ancuabe Graphite Project

This ASX release was authorised by the Board of Directors.

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