



**Pilbara
Minerals**

...Powering a Sustainable Energy Future

ASX / MEDIA ANNOUNCEMENT

Tuesday 24 July, 2018

FIRST COARSE CONCENTRATES PRODUCED

Commissioning of Pilgangoora Concentrator and production ramp-up remains on-track

HIGHLIGHTS

- Successful delivery of initial concentrate from the Pilgangoora Concentrator coarse circuit (DMS/HMS) achieved as part of ongoing load (wet) commissioning.
- Both primary sub-circuits (fines and coarse) have now been successfully commissioned to a stage to produce first concentrates.
- Plant performance, component operation and timing are consistent with Pilbara Minerals' expectations at this stage of the commissioning and ramp-up of the Concentrator.
- Total of ~1,000 tonnes of coarse and fines concentrate (pre-fines concentrate dressing) produced to date.
- Pilbara Minerals remains on-track to complete the balance of commissioning, plant optimisation and production of on-spec concentrate for the first shipment of Pilgangoora concentrates during August.



First coarse concentrate production from the Pilgangoora DMS/HMS circuit

Australian lithium developer, Pilbara Minerals Limited (ASX: PLS) ("Pilbara Minerals" or "the Company"), is pleased to advise that it continues to make strong progress with the commissioning and ramp-up of its 100%-owned Pilgangoora Lithium-Tantalum Project in Western Australia ("Project" or "Pilgangoora Project").

Following production of the first fines concentrate last month (*see ASX release of 21 June 2018*) and consistent with its commissioning strategy, the coarse (DMS/HMS) circuit has now also been brought online – resulting in the successful production of the first coarse concentrate.

With each primary sub-circuit of the Pilgangoora Concentrator having now been operated, commissioning of the plant can now move forward to completion, then product specification optimisation and production ramp-up. The plant's performance so far has been consistent with the Company's expectations and approximately 1,000 tonnes of coarse and fines concentrate (pre-concentrate dressing) has already been produced.

As part of completing the commissioning process and product specification optimisation, fines concentrates will now undergo final processing through the dressing circuit, which is one of the last sub-systems to be

commissioned within the Concentrator. Fines concentrate will be assayed following final commissioning of the spodumene concentrate dressing circuit. Assays are awaited for the coarse concentrate production.

The Company remains on track for its first concentrate shipment during the month of August.

Pilbara Minerals' Managing Director and CEO, Ken Brinsden, said:

"RCR and Pilbara Minerals' commissioning teams have done a great job so far, with all of the plant's components either meeting or exceeding our expectations.

"The extensive planning and due-diligence undertaken by our engineering, construction and production teams is now well and truly paying dividends as we progressively bring the plant on line and ramp-up its capacity. We look forward to the successful delivery of our first high-quality concentrate products to our customers next month," he added.

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FORWARD LOOKING STATEMENTS AND IMPORTANT NOTICE

This announcement may contain some references to forecasts, estimates, assumptions and other forward-looking statements. Although the Company believes that its expectations, estimates and forecast outcomes are based on reasonable assumptions, it can give no assurance that they will be achieved. They may be affected by a variety of variables and changes in underlying assumptions that are subject to risk factors associated with the nature of the business, which could cause actual results to differ materially from those expressed herein. All references to dollars (\$) and cents in this announcement are to Australian currency, unless otherwise stated.

Investors should make and rely upon their own enquiries before deciding to acquire or deal in the Company's securities.

MORE INFORMATION

About Pilbara Minerals

Pilbara Minerals ("Pilbara" – ASX: PLS) is a mining and exploration company listed on the ASX, specialising in the exploration and development of the specialty metals Lithium and Tantalum. Pilbara owns 100% of the world class Pilgangoora Lithium-Tantalum project which is which is one of the world's premier lithium development projects. Pilgangoora is also one of the largest pegmatite hosted Tantalite resources in the world and Pilbara proposes to produce Tantalite as a by-product of its Spodumene production.

About Lithium

Lithium is a soft silvery white metal which is highly reactive and does not occur in nature in its elemental form. It has the highest electrochemical potential of all metals, a key property in its role in Lithium-ion batteries. In nature it occurs as compounds within hard rock deposits and salt brines. Lithium and its chemical compounds have a wide range of industrial applications resulting in numerous chemical and technical uses. A key growth area is its use in lithium batteries as a power source for a wide range of applications including consumer electronics, power station-domestic-industrial storage, electric vehicles, power tools and almost every application where electricity is currently supplied by fossil fuels.

About Tantalum

The Tantalum market is boutique in size with around 1,300 tonnes required each year. Its primary use is in capacitors for consumer electronics, particularly where long battery life and high performance is required such as smart phones, tablets and laptops.