

## MINERAL RESOURCES PTR PILOT PLANT PRODUCES GRAPHITE

- *Mineral Resources owned and operated Paddle-Tube Reactor (PTR) Pilot Plant has been successfully commissioned.*
- *PTR Pilot Plant test program now underway.*
- *Graphite purity of >95% achieved in initial pilot plant trial runs.*

**PERTH, AUSTRALIA; 23 JULY 2019:** Hazer Group Limited (ASX:HZR) is pleased to announce the Mineral Resources Limited (ASX: MIN) owned and operated Paddle Tube Reactor (PTR) Pilot Plant has completed commissioning and successfully produced high quality graphite.

In December 2017, Hazer Group and Mineral Resources entered into a binding co-operation agreement to develop a Mineral Resources owned and operated commercial scale synthetic graphite production facility based on the Hazer Process.

Under the Binding Co-Operation Agreement, a three-stage development program is envisaged. Stage 1 comprises the development of a pilot scale facility capable of producing 1 tpa of high-quality graphite; completion of construction of this facility was advised to the ASX in March 2019.

Subsequent to March, commissioning has been successfully completed and initial production runs under the pilot plant test program have been undertaken. High quality graphite has been produced during these initial runs, with graphite product purity of >95% (Total Graphitic Carbon) achieved.

Mineral Resources will now undertake a detailed pilot plant test program to test the capability of the paddle-tube reactor design and derive the engineering and performance data needed to establish the design and performance parameters of the commercial scale plant envisaged in Stage 2 and Stage 3 of the Binding Co-Operation Agreement.

"I congratulate the team at Mineral Resources on this excellent achievement. I would also like to thank the Hazer technical and operations team for the support they have provided to Mineral Resources to reach this milestone.

I congratulate everybody on the excellent results; the graphite purity achieved is the highest we have recorded to date by the Hazer Process.

I look forward to continuing to work with Mineral Resources to take our agreement forward into Stage 2 and Stage 3 following completion of their test program." said Hazer CEO Geoff Ward.

**[ENDS]**

### ABOUT HAZER GROUP LTD

Hazer Group Limited ("Hazer" or "The Company") is an ASX-listed technology development company undertaking the commercialisation of the Hazer Process, a low-emission hydrogen and graphite production process. The Hazer Process enables the effective conversion of natural gas and similar methane feedstocks, into hydrogen and high-quality graphite, using iron ore as a process catalyst.

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