

## Milestone: First Rare Earth Carbonate Produced

### Highlights

- Rare earth carbonate produced through hydrometallurgical circuit
- Commissioning to progress to steady continuous operation

Australian heavy rare earths producer, Northern Minerals Limited (ASX: NTU) is pleased to advise that it has produced rare earth (RE) carbonate through the Browns Range Pilot Plant.

The production of the first final product follows the commencement of commissioning of the plant in June, with RE carbonate produced following load commissioning of the hydrometallurgical circuit.

Both the beneficiation and hydrometallurgical circuits having now been load commissioned and the focus for commissioning will now be to progress to steady continuous operation of these circuits.



Figures 1 First RE carbonate produced at Browns Range

Northern Minerals' Managing Director and CEO, George Bauk, said *"It is yet another significant milestone for Northern Minerals and the Browns Range Project."*

*This is the first production of rare earth carbonate from xenotime ore outside China and represents a new global source of product.*

*Commissioning is progressing well and we look forward to the next milestone being the first shipment of product to our customers."*

Shareholders and investors are encouraged to update their contact details to stay up to date with Northern Minerals news and research here: <http://northernminerals.com.au/update-details/>

Investors can find more information and a replay of the October 4 Investor Briefing at: <http://northernminerals.com.au/investor-centre>

#### For further information

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#### About Northern Minerals:

Northern Minerals Limited (ASX: NTU; Northern Minerals) is progressing the commissioning of the Browns Range Heavy Rare Earth Pilot Plant Project in northern Western Australia.

Through the development of its flagship project, the Browns Range Project (the Project), Northern Minerals aims to be the first significant world producer of dysprosium outside of China.

The Project is 100% owned by Northern Minerals and has several deposits and prospects containing high value dysprosium and other HREs, hosted in xenotime mineralisation.

Dysprosium is an essential ingredient in the production of DyNdFeB (dysprosium neodymium iron-boron) magnets used in clean energy and high technology solutions.

The three-year R&D pilot plant project has commenced first production of heavy rare earth carbonate. The pilot plant development provides the opportunity to gain production experience, surety of supply for our offtake partner and assess the economic and technical feasibility of the larger full-scale development.



ASX Code: NTU  
Issued Shares: 1,161m

Market Capitalisation: A\$88m  
Cash (as at 30 June 2018): A\$10.4m