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ASX Announcement

30<sup>th</sup> January 2018

## Ardmore Phosphate Rock Project

### Further Drilling Commences & More Bulk Sample Excavations Undertaken



**CAPTION:** Excavating near surface phosphate rock at Ardmore for bulk test work runs.

## Highlights

- ▶ Further infill drilling program commences at Ardmore Phosphate Rock Project
- ▶ Close to 200 percussion drill holes planned in the Southern Zone to upgrade current Mineral Resource across the first years of proposed mining operations to Measured category
- ▶ 30 reverse circulation (“RC”) drill holes planned in the Northern Zone to upgrade areas within the proposed pit limits currently classified as Inferred Mineral Resources
- ▶ Upgraded Mineral Resource to provide the final basis for the Feasibility Study underway, which is due for completion in mid-2018, building on the previously announced positive Scoping Study results
- ▶ Two additional bulk excavations completed this month producing a further 2 tonnes of feed material for feasibility level test work
- ▶ Bulk process test work nearing completion with results expected in the coming weeks
- ▶ Dozer stripping trials to begin this week to confirm overburden mining parameters

## Summary

Centrex Metals Limited (“Centrex”) has commenced a further drilling program at its Ardmore Phosphate Rock Project (“Ardmore”) in North West Queensland. Close to 200 percussion drill holes have been planned in the Southern Zone of the deposit with the aim of upgrading the first years of proposed mining operations to Measured category. A further 30 reverse circulation (“RC”) drill holes are planned in the Northern Zone of the deposit to upgrade areas within the proposed pit limits currently classified as Inferred Mineral Resources to Indicated category. The drilling ultimately aims to support the establishment of Ore Reserves sufficient to underpin the Feasibility Study for the project that is currently underway and due for completion in mid-2018.

Current Mineral Resources for Ardmore are 14.2 million tonnes at 28.7% P<sub>2</sub>O<sub>5</sub> (using a 19% P<sub>2</sub>O<sub>5</sub> cut-off). This includes 12.3 million tonnes of Indicated & Measured Mineral Resources.

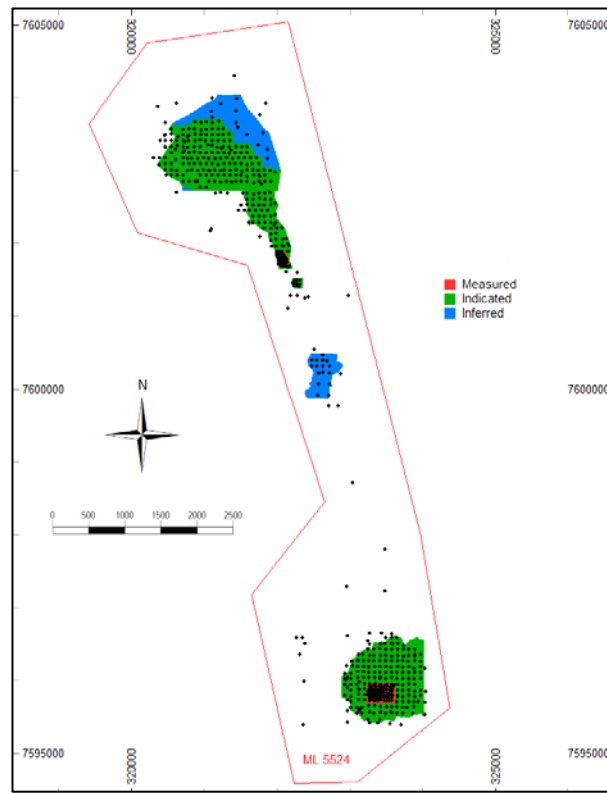
For full details of the Mineral Resource refer announcement 18th December 2017;

<http://www.asx.com.au/asxpdf/20171218/pdf/43q8hp4xygcbh0.pdf>

The results were reported under JORC 2012 and Centrex is not aware of any new information or data that materially affects the information contained within the release. All material assumptions and technical parameters underpinning the estimates in the announcement continue to apply and have not materially changed.

Bulk test work on the project is well underway and the process test work results component is expected within the coming weeks. Two additional bulk sample excavations were completed this month producing a further 2 tonnes of feed material for the test work. Vendor crushing test work is almost complete. Initial rolls crusher trials in the US indicate that at least one stage of the previously designed 3-stage crushing circuit may be eliminated, saving both energy and equipment costs. Work this week by the vendor will include trialing a hammer mill to test the ability to reduce the circuit even further still to a single stage crushing circuit. Bulk beneficiation runs are planned over the coming weeks that will provide the parameters for the Feasibility Study process plant design, and produce samples of premium phosphate rock concentrate to meet the numerous customer requests. Separate samples

will also be sent to KemWorks in the US for independent fertiliser conversion test work. KemWorks is currently testing the ore feed as a potential direct ship product.



**FIGURE:** Plan view of existing drill hole locations over current Mineral Resource area by category.

Feasibility level mining studies for Ardmore have commenced. The project is proposed to be operated as a free-dig strip mine using dozers to cost effectively remove the overburden. Dozer experts from MEC Mining were engaged this month to work with Centrex's mining consultants Optima Consulting & Contracting ("Optima") to refine the current mine designs. This week dozer stripping trials of the overburden will be carried out at the site under the supervision of MEC Mining to provide reliable estimations of productivity factors for full-scale operations. Recent excavations to provide bulk test work samples observed by Optima have already provided a good view to free-digging the ore itself by truck and shovel as is planned.

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