

Bulk Sample and Pilot Plant Update

Highlights

- 80t bulk laterite ore sample prepared and ready for shipment from New Caledonia
- Pilot plant preparation works underway at CSIRO facilities in Western Australia

Pure Minerals Limited (ASX:PM1) ("**PM1**" or "the **Company**") is pleased to provide an update on the pilot plant activities of its wholly owned subsidiary Queensland Pacific Metals Pty Ltd ("**QPM**"). QPM's New Caledonian ore supply partners, Société des Mines de la Tontouta ("**SMT**") and Societe Miniere Georges Montagnat S.A.R.L ("**SMGM**"), have mined, sampled and bagged an 80t bulk sample of laterite ore. This ore is representative of what would be supplied to QPM under the agreement signed between the parties in 2018.

The sample ore has been assayed, bagged and loaded into containers ready for shipment to CSIRO in Perth, Western Australia, where the pilot plant is being recommissioned. Once in Perth, the ore must be dried prior to processing in the pilot plant.



Figure 1: QPM Bulk Sample

Preparatory pilot plant works are underway. As part of the Pre-Feasibility Study, a number of process improvement opportunities were identified. QPM has received permission from CSIRO to make the relevant modifications to the pilot plant. Engineering work on these modifications has commenced, which will then be followed by fabrication and installation. This work is planned to be carried out in parallel with transport, drying, screening, blending and assaying of the bulk sample.

Equipment performance and process information from the pilot plant will form an important component of future studies on QPM's Townsville Energy Chemicals Hub (TECH) project, which is expected to produce nickel sulphate, cobalt sulphate and high purity alumina for use in lithium-ion battery production, as well as other valuable co-products.

The objectives of the pilot plant trials are:

- to provide data that will guide the design and operation of the commercial facility; and
- to produce samples for potential offtakers.

This announcement has been authorised for release by the Board.

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