

17 April 2019

## **IN-COUNTRY BENEFICIATION RESEARCH PROPOSAL FOR THE KIHABE - NXUU PROJECT**

The Company has been approached by the Chemical, Materials and Metallurgical Department (CMMD) of the Botswana University of Science and Technology with the proposal for it to conduct research for the purpose of maximising selective beneficiation within Botswana for the recovery of Vanadium Pentoxide, Zinc, Lead, Silver and Germanium from the Kihabe – Nxuu project in Western Ngamiland, Botswana.

The Company welcomes this proposal and any such research that can be conducted by the CMMD in conjunction with further test work planned to be conducted by the Company.

The Company believes the following research needs to be conducted and in so doing would welcome any contribution from CMMD, which could include post graduate research for PhD or Masters degrees using the below scope as a proposed test work route:

- Optimised gravity + oxide flotation testwork using hydroxamate and/or other suitable oxide flotation collector(s)
- Flotation assisted with addition of  $\text{NsHS}$  (or  $\text{Na}_2\text{S}$ ) - ie Control Potential Sulphidisation (CPS) to produce a beneficiated concentrate of Zn/Pb/Ag/V and Ge.

This can then be followed by:

- Dissolution of the optimised flotation concentrate in Methane Sulphonic Acid ( $\text{CH}_4\text{SO}_3$ ) to solubilise all the metals
- Selective Solvent Extraction (SX) for each individual metal species and where they can then be separately recovered
- Electrowinning (E/W).

The Company believes that such test work will attract positive engagement from any aspiring post graduate students and if successful should further contribute to the economy of Botswana.

The purpose of CMMD is to address the need for Botswana to maximise on a national scale, metal processing/beneficiation and refining to finished products where possible, as opposed to the current practice of exporting metal concentrates, thereby losing out on potential income generated through added value. This approach should result in socio-economic benefits for Botswana and reduce its dependence on diamonds, the reserves of which without further discoveries, are seen as finite.

Upon commencement of this research the Company will provide details of samples selected for such purpose.

## **Forward Looking Statement:**

This report contains forward looking statements in respect of the projects being reported on by the Company. Forward looking statements are based on beliefs, opinions, assessments and estimates based on facts and information available to management and/or professional consultants at the time they are formed or made and are, in the opinion of management and/or consultants, applied as reasonably and responsibly as possible as at the time that they are applied.

Any statements in respect of Ore Reserves, Mineral Resources and zones of mineralisation may also be deemed to be forward looking statements in that they contain estimates that the Company believes have been based on reasonable assumptions with respect to the mineralisation that has been found thus far. Exploration targets are conceptual in nature and are formed from projection of the known resource dimensions along strike. The quantity and grade of an exploration target is insufficient to define a Mineral Resource. Forward looking statements are not statements of historical fact, they are based on reasonable projections and calculations, the ultimate results or outcomes of which may differ materially from those described or incorporated in the forward looking statements. Such differences or changes in circumstances to those described or incorporated in the forward looking statements may arise as a consequence of the variety of risks, uncertainties and other factors relative to the exploration and mining industry and the particular properties in which the Company has an interest.

Such risks, uncertainties and other factors could include but would not necessarily be limited to fluctuations in metals and minerals prices, fluctuations in rates of exchange, changes in government policy and political instability in the countries in which the Company operates.

## **Other important Information**

**Purpose of document:** This document has been prepared by Mount Burgess Mining NL (MTB). It is intended only for the purpose of providing information on MTB, its project and its proposed operations. This document is neither of an investment advice, a prospectus nor a product disclosure statement. It does not represent an investment disclosure document. It does not purport to contain all the information that a prospective investor may require to make an evaluated investment decision. MTB does not purport to give financial or investment advice.

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**Forward looking statements:** This document contains forward looking statements which should be reviewed and considered as part of the overall disclosure relative to this report.

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**Competent Person's Statement:**

Mr Chris Campbell-Hicks, Metallurgist, FAusIMM (CP Metallurgy), MMICA, Non-Executive Director of the Company, who reviewed the content of the announcement, has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2102 Edition of the JORC Code and has consented to the inclusion in respect of the matters based on the information in the form and context in which it appears.

Mr Campbell-Hicks has for a number of years whilst working with Coffey Mining and other consultancies and companies made contributions to numerous Scoping Studies, Pre-feasibility Studies and Feasibility Studies under the 2004 JORC Code, the 2012 JORC Code and the Canadian National Instrument (NI 43-101). As such he qualifies as a Competent Person for reporting on matters pertaining to metallurgy, process engineering and interpretation of test work results and data for the establishment of Design Criteria for such studies.