

# MOUNT BURGESS MINING N.L.

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Our Ref: ASX Announcements

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The Australian Stock Exchange Limited  
Company Announcements Office  
10<sup>th</sup> Floor  
20 Bond Street  
Sydney NSW  
Australia

Dear Sir,

## **Tsumkwe Diamond Project - Namibia**

*(Mount Burgess Mining N.L. 90%, Kimberlite Resources (Pty) Ltd 10%)*

Kimberlitic indicator mineral results have been received over the weekend from the Company's mineral observers based in Windhoek, Namibia, which confirm the recovery of 19 fresh pyrope garnets from drillhole NAM 278.

The pyrope garnets were recovered from various intervals down hole and are classified as follows:

Hole Interval	Classification	Size
7m - 11m	3 x G4 SKS	0.4 mm
20m - 24m	1 x G4 SKS	0.8 - 1.2 mm
	1 x G4 SKS	0.4 mm
24m - 29m	3 x G4 SKS	0.4 mm
29m - 33m	1 x G1 SKS	0.8 - 1.2 mm
	1 x G4 SKS	0.8 - 1.2 mm
	4 x G4 SS	0.4 mm
33m - 37m	3 x G4 SS	0.4 mm
37m - 43m	1 x G4 SS	0.8 - 1.2 mm
	1 x G4 SS	0.4 mm

All of the garnets recovered show remnants of their original mineral surface, strongly indicating that the garnets are located in close proximity to their primary source.

Of particular interest are the pyrope garnets marked SKS, which exhibit “sub-kelyphitic” surfaces. Kelyphitic surfaces or reaction rims on garnets are developed by the reaction between the garnets and host magma during the ascent of the source intrusions and are easily abraded during sequent secondary transportation.

The presence of sub-kelyphite surfaces is therefore considered strongly indicative of proximity to the primary source area.

Drillhole NAM 278 is located approximately 500m to the east of the Gura-kimberlite in a topographically elevated position. Accordingly, it is considered that the garnets recovered from drillhole NAM 278 are not related to the Gura-kimberlite.

### **CLASSIFICATION KEY**

*Class 1 (G1) grains do not show any signs of wear and still have remnants of their original surface.*

*Class 2 (G2) grains show signs of a slight amount of wear to their surfaces but still have remnants of their original surface.*

*Class 3 (G3) grains show signs of moderate to extensive amounts of wear to their surfaces but still have remnants of their original surface.*

*Class 4 (G4) grains do not show any signs of wear to their surfaces.*

*Class 5 (G5) grains show signs of a slight amount of wear to their surfaces.*

*Class 6 (G6) grains show signs of moderate to extensive amounts of wear to their surfaces.*

*The amount of wear to the surfaces of kimberlitic indicator mineral grains is used as a general guide to determine the distance the grains have travelled from their kimberlite source.*

Yours faithfully,

**J J Moore**  
**Director**

*Mr J J Moore, B (App) Sc., M.Aus.I.M.M., is a qualified geologist and full-time employee of the Company, with more than five years experience in the field being reported on.*