Ok Tedi Mining Limited (OTML) LOM Studies

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# ABSTRACT

Ok Tedi Mining Limited (OTML) operates one of the largest open cut copper & gold mines in the Southern Hemisphere. Located at the remotest part of PNG’s Western Province, mine supplies are supplied by sea and river to Kiunga Port, then the road 140km up to the mine. The business has future plans to improve its current supply chain by providing route options to Indonesia by road network, as well as other ports via road network in country. OTML has embarked on mine life extension from 2033 to 2050 adding operating years to the mine.

Waste and Tailings Management form a large part of the mine life extension, and the company has already progressed studies for two (2) Engineering Waste Rock Dumps (EWRD) and a Tailings Storage Facility (TSF). The two EWRD setups are both at the northern and southern end of the mine respectively whilst TSF is being looked at potentially along the Kiunga Tabubil Highway. Currently the mine operates an erodible waste dump approach where waste rocks are dumped into the river system and reclaimed at Bige complex. With seven (7) cutbacks, scheduling challenges are common especially bridging gaps in ore and metal profile. LOM designs are done onsite, whilst pit optimization is sourced out to consultants to deliver results. Blending is key in results delivery of a high tonnage low head grade operation.

Scope for this abstract is on OTML LOM, EWRD and TSF for a sustainable and reputable operation. The optimization results are leaning towards a potential relocation of the current office and maintenance complex. With strong performances recently, the business aims to acquire other mines to bring value up to USD$2Billion from USD$1. 3Billion at present. First five (5) years are formative years for the business that will determine the mine life 2050 and beyond.