

Technical Memo

To: Karyn Lewis, Project Manager Lupin

Project

From: Alvin Tong, P.Eng.

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Stantec Consulting Ltd.

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File: Lupin Gold Project - 129500081 Da

Date: October 15, 2019

Reference: 2 AM-LUP Technical Meeting Commitment Number 8 Response – Lupin Mine TCA

Exposed Contaminants at Closure Water Levels

Introduction

Lupin Mine Incorporated (LMI), a wholly owned subsidiary of Mandalay Resources is requesting the renewal and amendment of their existing Type "A" Water Licence No: 2AM-LUP1520, to allow for Final Closure and Reclamation of the Lupin Mine Project (Lupin). The Nunavut Water Board (NWB or Board) Water Licence Application No. 2AM-LUP1520 Technical Meeting was held June 6-7, 2019 in Kugluktuk and Appendix D of the June 18, 2018 Pre-Hearing Conference Decision Report outlines the agreed upon List of Commitments (Commitments). Stantec Consulting Ltd. (Stantec) was retained by LMI to support the responses to select commitments and this technical memo provides the responses to fulfill Commitment No. 8, shown below, which relates to a decision matrix that will be used to determine how exposed tailings (or contaminants) will be handled on a case by case basis when lowering the water level in the Lupin Tailings Containment Area (TCA) at closure.

08	LMI	CIRNAC	Decision matrix/tree that determines how exposed tailings will be handled on a case by case basis when lowering the water level in the TCA.	15-Oct-19	Technical Memo
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Commitment No. 8 was fulfilled by preparing the attached Figure 1 Decision Matrix for Contaminants Exposed above Lupin Mine Tailings Containment Area Closure Water Levels. The options, risks and advantages supporting each decision item in the matrix are detailed within.

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Water Levels

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Figure 1: Decision Matrix for Contaminants Exposed above Lupin Mine Tailings Containment Area Closure Water Levels

