



Specialists in Explosives, Blasting and Vibration  
Consulting Engineers

## MEMORANDUM

**Re:** Relevance of the Blast Impact Analysis developed for the proposed Dewdney Mountain Farms Ltd. Quarry

**Date:** May 7 2021

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Explotech Engineering Ltd. (Explotech) has been requested by Roy Hylkema of Lakeview Engineering to review and provide commentary on the current nature of the Blast Impact Analysis (BIA) prepared for the proposed Dewdney Mountain Farms Ltd. Quarry. Explotech was retained in May 2011 to provide a Blast Impact Analysis for the proposed quarry. The Blast Impact Analysis was developed and updated as follows:

- The initial BIA was submitted in June 2011. A site visit was undertaken as part of this analysis to the proposed quarry property to confirm site conditions.
- A revised and updated copy of the BIA was submitted on June 23, 2014. No additional site visit was undertaken as part of this phase of the analysis.
- A revised and updated copy of the BIA was submitted on April 27, 2020. An additional site visit was undertaken to the property in March 2020 to confirm the site conditions.

Explotech has reviewed the April 27, 2020 BIA which assessed the ability of the proposed licence to operate within the prescribed blast guideline limits as required by the Ontario Ministry of Environment, Conservations and Parks (MECP) and specifically based on the MECP Model Municipal Noise Control By-law with regard to Guidelines for Blasting in Mines and Quarries (NPC 119). The April 2020 BIA also assessed the area surrounding the proposed licence with regard to potential damage from blasting operations to ensure that the blasting operations can be carried out in a safe and productive manner and to mitigate the possibility of damage to any buildings, structures or residences surrounding the property. Explotech confirms the April 2020 analysis remains current and applicable to date. The conclusion of the report remains valid, stating that, *'blasting operations required for operations at the proposed DMF (Dewdney Mountain Farms) Quarry site can be carried out safely and within governing guidelines set by the Ministry of the Environment, Conservations and Parks.'*

If you require any additional clarifications, or have any questions regarding the above, please feel free to contact the undersigned at your leisure.

Best Regards,

Andrew Campbell, P.Eng.

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