



**AUSTIN POWDER LTD.  
BLAST REPORT**



341-Winnipeg/Stonewall  
Hwy 7 & 67 MB, Stonewall, Canada R0C

Blast No.: 5-2023	Blast Type: Stone Quarry/Stone Mine - Overburden/ Stripping	Permittee: Hugh Munro
Date/Time: 02/07/2023 12:32	Pit/Permit: LILYFIELD QUARRY / 1000-006	Customer: Hugh Munro Construction Ltd (MUN1000-006)
		Location: South East

**ENVIRONMENT**

Method Used: Lat./Long.	Weather: Cloudy / High Clouds	Wind From: W
Temperature: -1 °C	Terrain: Flat	Wind Velocity: 21-32 km/h
Blast Lat./Long.: 50° 0' 50.210" N 97° 16' 48.270" W		

**NEAREST PROTECTED STRUCTURE**

Structure Name: Whites	Compass Point: NNE
Structure Type: Dwelling	Direction/Bearing: 34 °
Structure Lat./Long.: 50° 1' 7.580" N 97° 16' 29.470" W	Distance: 654 m

**LAYOUT**

Hole Depth: 1.77 m	Material Blasted: Soil	Total Meters Drilled: 592.2 m
No. of Holes: 335	Subdrilling: 0.00 m	Burden: 2.44 m
No. of V.P.† Holes: 335	Face Height: 1.77 m	Spacing: 2.44 m
No. of Rows: 5	Drilling Angle: °	Back Fill Depth: 0.00 m
Diameter: 88.9 mm	Mats Used: No	Stem Type: 1/2 clean
		Method: Weighted Average

† V.P. = Volume Producing

**WEIGHTS**

Initiation: Non-Electric	Max. Wt. of Expl. in Overlapped Decks: 16.3 kg
Firing Device: Shot Shell Igniter	Max. Wt. of Expl. Per 8 ms Interval: 16.3 kg
Other Method:	Max. No. of Holes Per 8 ms Interval: 4
Mfg and Model: Ideal	Max. Wt. of Explosive Per Hole: 4.1 kg
Initiation Settings:	Scaled Distance Factor (max charge): 323.90
Series Resistance (ohms):	Scaled Distance Factor (per delay): 161.95

**SEISMOGRAPH 1 - SEISMOGRAPH 1**

Data Type: Seismic Record	Seismograph Type: Mini White Seismograph	
Date: 02/07/23	Trigger Level: 0.51 mm/s 100.00 dB	Transverse: 0.254 mm/s 0.0 Hz
Time: 12:32	Calibration Date: 10/23/23	Vertical: 0.127 mm/s 0.0 Hz
Distance From Blast: 654.41 m	Calibration Signal: Pass	Longitudinal: 0.254 mm/s 0.0 Hz
Direction From Blast: NNE	Geophone Min. Freq.: --- Hz	
Readout: Printed Copy	Mic. Min. Freq.: --- Hz	Acoustic: 106 dB --- Hz
Location:		Vector Sum: --- mm/s
Lat./Long.: 50° 1' 7.580" N 97° 16' 29.470" W		

Reader and Firm:

Analyst and Firm:

Installer and Firm: