



**AUSTIN POWDER LTD.
BLAST REPORT**



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

Permittee: Hugh Munro
Customer: Hugh Munro Construction Ltd
(MUN1000-006)

Blast No.: 17-2021 Blast Type: Stone Quarry/Stone Mine - Production

Date/Time: 06/08/2021 12:59 Pit/Permit: LILYFIELD QUARRY / 1000-006

Location: North East

ENVIRONMENT

Method Used: Lat./Long.	Weather: Clear	Wind From: E
Temperature: 27 °C	Terrain: Flat	Wind Velocity: 10-15 km/h
Blast Lat./Long.: 50° 0' 58.420" N 97° 16' 54.420" W		

NEAREST PROTECTED STRUCTURE

Structure Name: Trailer	Compass Point: ENE
Structure Type: Dwelling	Direction/Bearing: 79 °
Structure Lat./Long.: 50° 1' 1.480" N 97° 16' 28.260" W	Distance: 529 m

LAYOUT

Hole Depth: 5.18 m	Material Blasted: Limestone	Total Meters Drilled: 1,456.0 m
No. of Holes: 281	Subdrilling: 0.00 m	Burden: 2.44 m
No. of V.P. † Holes: 281	Face Height: 5.18 m	Spacing: 3.05 m
No. of Rows: 10	Drilling Angle: °	Back Fill Depth: 0.00 m
Diameter: 88.9 mm	Mats Used: No	Stem Type: 3/4 Down
		Area Type: Corner/Open End
		Method: Weighted Average

† V.P. = Volume Producing

WEIGHTS

Initiation: Non-Electric	Max. Wt. of Expl. in Overlapped Decks: 175.5 kg
Firing Device: Shot Shell Igniter	Max. Wt. of Expl. Per 8 ms Interval: 175.5 kg
Other Method:	Max. No. of Holes Per 8 ms Interval: 5
Mfg and Model: Ideal	Max. Wt. of Explosive Per Hole: 35.1 kg
Initiation Settings:	Scaled Distance Factor (max charge): 89.36
Series Resistance (ohms):	Scaled Distance Factor (per delay): 39.96

SEISMOGRAPH 1 - SEISMOGRAPH 1

Data Type: Seismic Record	Seismograph Type: Mini White Seismograph	
Date: 06/08/21	Trigger Level: 1.02 mm/s 110.00 dB	Transverse: 3.937 mm/s 32.0 Hz
Time: 12:59	Calibration Date: 11/03/21	Vertical: 1.524 mm/s 39.3 Hz
Distance From Blast: 529.44 m	Calibration Signal: Pass	Longitudinal: 4.826 mm/s 24.3 Hz
Direction From Blast: ENE	Geophone Min. Freq.: --- Hz	
Readout: Printed Copy	Mic. Min. Freq.: --- Hz	Acoustic: 110 dB --- Hz
Location:		Vector Sum: --- mm/s
Lat./Long.: 50° 1' 1.480" N	97° 16' 28.260" W	
Reader and Firm:		
Analyst and Firm:		
Installer and Firm:		