



**AUSTIN POWDER LTD.
BLAST REPORT**



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

Blast No.: 6-2021

Blast Type: Stone Quarry/Stone Mine - Production

Permittee: Hugh Munro

Customer: Hugh Munro Construction Ltd
(MUN1000-006)

Date/Time: 02/04/2021 14:01

Pit/Permit: LILYFIELD QUARRY / 1000-006

Location: west wall

ENVIRONMENT

Method Used: Lat./Long.

Weather: Cloudy / High Clouds

Wind From: NW

Temperature: -20 °C

Terrain: Flat

Wind Velocity: 24-52 km/h

Blast Lat./Long.: 50° 0' 54.640" N 97° 17' 3.170" W

NEAREST PROTECTED STRUCTURE

Structure Name: Trailer

Compass Point: ENE

Structure Type: Dwelling

Direction/Bearing: 73 °

Structure Lat./Long.: 50° 1' 1.480" N 97° 16' 28.260" W

Distance: 726 m

LAYOUT

Hole Depth:	4.92 m	Material Blasted:	Limestone	Total Meters Drilled:	1,081.7 m
No. of Holes:	220	Subdrilling:	0.00 m	Burden:	2.44 m
No. of V.P.† Holes:	220	Face Height:	4.92 m	Spacing:	3.05 m
No. of Rows:	11	Drilling Angle:	°	Back Fill Depth:	0.00 m
Diameter:	88.9 mm	Mats Used:	No	Stem Type:	3/4 Clean
				Method:	Weighted Average

† V.P. = Volume Producing

WEIGHTS

Initiation: Non-Electric	Max. Wt. of Expl. in Overlapped Decks:	129.0 kg
Firing Device: Shot Shell Igniter	Max. Wt. of Expl. Per 8 ms Interval:	129.0 kg
Other Method:	Max. No. of Holes Per 8 ms Interval:	4
Mfg and Model: Ideal	Max. Wt. of Explosive Per Hole:	32.2 kg
Initiation Settings:	Scaled Distance Factor (max charge):	127.92
Series Resistance (ohms):	Scaled Distance Factor (per delay):	63.96

SEISMOGRAPH 1 - SEISMOGRAPH 1

Data Type: Seismic Record	Seismograph Type: Mini White Seismograph		
Date: 02/04/21	Trigger Level: 1.02 mm/s 110.00 dB	Transverse:	0.0 mm/s 0.0 Hz
Time: 14:01	Calibration Date: 11/03/21	Vertical:	0.0 mm/s 0.0 Hz
Distance From Blast: 726.34 m	Calibration Signal: Pass	Longitudinal:	0.0 mm/s 0.0 Hz
Direction From Blast: ENE	Geophone Min. Freq.: --- Hz	Acoustic:	114 dB --- Hz
Readout: Printed Copy	Mic. Min. Freq.: --- Hz	Vector Sum:	--- mm/s
Location:			
Lat./Long.: 50° 1' 1.480" N	97° 16' 28.260" W		
Reader and Firm:			
Analyst and Firm:			
Installer and Firm:			