



**AUSTIN POWDER LTD.
BLAST REPORT**



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

Blast No.: 16-2021

Blast Type: Stone Quarry/Stone Mine - Production

Permittee: Hugh Munro

Customer: Hugh Munro Construction Ltd
(MUN1000-006)

Date/Time: 05/25/2021 13:04

Pit/Permit: LILYFIELD QUARRY / 1000-006

Location: Lilyfield

ENVIRONMENT

Method Used: Lat./Long.

Weather: Overcast /
Low Clouds

Wind From: SW

Temperature: 12 °C

Terrain: Flat

Wind Velocity: - km/h

Blast Lat./Long.: 50° 1' 1.520" N 97° 16' 55.210" W

NEAREST PROTECTED STRUCTURE

Structure Name: Trailer

Compass Point: E

Structure Type: Dwelling

Direction/Bearing: 91 °

Structure Lat./Long.: 50° 1' 1.210" N 97° 16' 27.880" W

Distance: 544 m

LAYOUT

Hole Depth:	4.88 m	Material Blasted:	Limestone	Total Meters Drilled:	1,316.7 m
No. of Holes:	270	Subdrilling:	0.00 m	Burden:	2.44 m
No. of V.P.† Holes:	270	Face Height:	4.88 m	Spacing:	3.05 m
No. of Rows:	15	Drilling Angle:	°	Back Fill Depth:	0.00 m
Diameter:	88.9 mm	Mats Used:	No	Stem Type:	Crushed Stone
				Method:	Weighted Average
					Center Start/ Breakout

† V.P. = Volume Producing

WEIGHTS

Initiation: Non-Electric	Max. Wt. of Expl. in Overlapped Decks:	127.5 kg
Firing Device: Shot Shell Igniter	Max. Wt. of Expl. Per 8 ms Interval:	127.5 kg
Other Method:	Max. No. of Holes Per 8 ms Interval:	4
Mfg and Model: Ideal supply	Max. Wt. of Explosive Per Hole:	31.9 kg
Initiation Settings:	Scaled Distance Factor (max charge):	96.38
Series Resistance (ohms):	Scaled Distance Factor (per delay):	48.19

SEISMOGRAPH 1 - SEISMOGRAPH 1

Data Type: Seismic Record	Seismograph Type: white mini		
Date: 05/25/21	Trigger Level: 0.51 mm/s	100.00 dB	Transverse: 4.064 mm/s 39.3 Hz
Time: 13:04	Calibration Date: 08/20/20		Vertical: 1.016 mm/s 46.5 Hz
Distance From Blast: 544.07 m	Calibration Signal: gd		Longitudinal: 3.556 mm/s 24.3 Hz
Direction From Blast: E	Geophone Min. Freq.: --- Hz		Acoustic: 118 dB --- Hz
Readout: Printed Copy	Mic. Min. Freq.: --- Hz		Vector Sum: --- mm/s
Location:			
Lat./Long.: 50° 1' 1.210" N	97° 16' 27.880" W		

Reader and Firm:

Analyst and Firm:

Installer and Firm: