



**AUSTIN POWDER LTD.
BLAST REPORT**



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

Blast No.: 22-2021

Blast Type: Stone Quarry/Stone Mine - Production

Permittee: Hugh Munro

Customer: Hugh Munro Construction Ltd
(MUN1000-006)

Date/Time: 08/17/2021 13:03

Pit/Permit: LILYFIELD QUARRY / 1000-006

Location: North East

ENVIRONMENT

Method Used: Lat./Long.

Weather: Clear

Wind From: N

Temperature: 25 °C

Terrain: Flat

Wind Velocity: 10-18 km/h

Blast Lat./Long.: 50° 1' 1.820" N 97° 16' 52.270" W

NEAREST PROTECTED STRUCTURE

Structure Name: Trailer

Compass Point: E

Structure Type: Dwelling

Direction/Bearing: 91 °

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

Distance: 478 m

LAYOUT

Hole Depth:	5.11 m	Material Blasted:	Limestone	Total Meters Drilled:	1,906.5 m
No. of Holes:	373	Subdrilling:	0.00 m	Burden:	2.74 m
No. of V.P.† Holes:	373	Face Height:	5.11 m	Spacing:	3.35 m
No. of Rows:	6	Drilling Angle:	°	Back Fill Depth:	0.00 m
Diameter:	88.9 mm	Mats Used:	No	Stem Type:	3/4 Down
				Method:	Weighted Average

† V.P. = Volume Producing

WEIGHTS

Initiation: Non-Electric	Max. Wt. of Expl. in Overlapped Decks:	122.8 kg
Firing Device: Shot Shell Igniter	Max. Wt. of Expl. Per 8 ms Interval:	122.8 kg
Other Method:	Max. No. of Holes Per 8 ms Interval:	4
Mfg and Model: Ideal	Max. Wt. of Explosive Per Hole:	34.7 kg
Initiation Settings:	Scaled Distance Factor (max charge):	81.24
Series Resistance (ohms):	Scaled Distance Factor (per delay):	43.16

SEISMOGRAPH 1 - SEISMOGRAPH 1

Data Type: Seismic Record	Seismograph Type: Mini White Seismograph		
Date: 08/17/21	Trigger Level: 1.02 mm/s 110.00 dB	Transverse:	8.636 mm/s 34.1 Hz
Time: 13:03	Calibration Date: 11/03/21	Vertical:	2.286 mm/s 34.1 Hz
Distance From Blast: 478.23 m	Calibration Signal: Pass	Longitudinal:	7.112 mm/s 36.5 Hz
Direction From Blast: E	Geophone Min. Freq.: --- Hz	Acoustic:	112 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:			