



AUSTIN POWDER LTD.
BLAST REPORT



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

Blast No.: 3-2020

Blast Type: Stone Quarry/Stone Mine - Production

Permittee: Hugh Munro

Customer: Hugh Munro Construction
Ltd
(MUN1000-006)

Date/Time: 11/27/2020 14:00

Pit/Permit: LILYFIELD QUARRY / 1000-006

Location: Lilyfield

ENVIRONMENT

Method Used: Lat./Long.

Weather: Partly Cloudy

Wind From: S

Temperature: -2 °C

Terrain: Flat

Wind Velocity: 10-20 km/h

Blast Lat./Long.: 50° 0' 54.700" N 97° 16' 57.300" W

NEAREST PROTECTED STRUCTURE

Compass Point: ENE

Structure Name: Trailer

Direction/Bearing: 70 °

Structure Type: Dwelling

Distance: 619 m

Structure Lat./Long.: 50° 1' 1.440" N 97° 16' 28.040" W

LAYOUT

Hole Depth:	5.03 m	Material Blasted:	Limestone	Total Meters Drilled:	965.6 m
No. of Holes:	192	Subdrilling:	0.00 m	Burden:	2.44 m
No. of V.P.† Holes:	192	Face Height:	5.03 m	Spacing:	3.05 m
No. of Rows:	12	Drilling Angle:	°	Back Fill Depth:	0.00 m
Diameter:	88.9 mm	Mats Used:	No	Stem Type:	Crushed Stone
				Method:	Weighted Average

† V.P. = Volume Producing

WEIGHTS

	Max. Wt. of Expl. in Overlapped Decks:	148.6 kg
Initiation: Non-Electric	Max. Wt. of Expl. Per 8 ms Interval:	148.6 kg
Firing Device: Shot Shell Igniter	Max. No. of Holes Per 8 ms Interval:	4
Other Method:	Max. Wt. of Explosive Per Hole:	37.2 kg
Mfg and Model: Ideal supply	Scaled Distance Factor (max charge):	101.50
Initiation Settings:	Scaled Distance Factor (per delay):	50.75
Series Resistance (ohms):		

SEISMOGRAPH 1 - SEISMOGRAPH 1

Data Type: Seismic Record	Seismograph Type: White		
Date: 11/27/20	Trigger Level: 0.60 mm/s	106.00 dB	Transverse: 1.524 mm/s 32.0 Hz
Time: 14:00	Calibration Date: 06/09/20		Vertical: 0.762 mm/s 28.4 Hz
Distance From Blast: 618.74 m	Calibration Signal:		Longitudinal: 2.286 mm/s 18.9 Hz
Direction From Blast: ENE	Geophone Min. Freq.: --- Hz		
Readout: Printed Copy	Mic. Min. Freq.: --- Hz		Acoustic: 114 dB --- Hz
Location:			Vector Sum: --- mm/s
Lat./Long.: 50° 1' 1.440" N	97° 16' 28.040" W		
Reader and Firm:			
Analyst and Firm:			
Installer and Firm:			