



AUSTIN POWDER LTD.
BLAST REPORT



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

Blast No.: 2-2021

Blast Type: Stone Quarry/Stone Mine - Production

Permittee: Hugh Munro

Customer: Hugh Munro Construction
Ltd
(MUN1000-006)

Date/Time: 01/13/2021 13:00

Pit/Permit: LILYFIELD QUARRY / 1000-006

Location: South

ENVIRONMENT

Method Used:	Lat./Long.	Weather:	Clear	Wind From:	S
Temperature:	-3 °C	Terrain:	Flat	Wind Velocity:	5-10 km/h
Blast Lat./Long.:	50° 0' 51.390" N 97° 17' 0.640" W				

NEAREST PROTECTED STRUCTURE

Structure Name:	Trailer	Compass Point:	ENE
Structure Type:	Dwelling	Direction/Bearing:	64 °
Structure Lat./Long.:	50° 1' 1.480" N 97° 16' 28.260" W	Distance:	716 m

LAYOUT

Hole Depth:	5.03 m	Material Blasted:	Limestone	Total Meters Drilled:	905.9 m
No. of Holes:	180	Subdrilling:	0.00 m	Burden:	2.44 m
No. of V.P.† Holes:	180	Face Height:	5.03 m	Spacing:	3.05 m
No. of Rows:	9	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:	139.4 kg
Firing Device:	Shot Shell Igniter	Max. Wt. of Expl. Per 8 ms Interval:	139.4 kg
Other Method:		Max. No. of Holes Per 8 ms Interval:	4
Mfg and Model:	Ideal	Max. Wt. of Explosive Per Hole:	34.9 kg
Initiation Settings:		Scaled Distance Factor (max charge):	121.26
Series Resistance (ohms):		Scaled Distance Factor (per delay):	60.63

SEISMOGRAPH 1 - SEISMOGRAPH 1

Data Type:	Seismic Record	Seismograph Type:	Mini White Seismograph
Date:	01/13/21	Trigger Level:	1.02 mm/s 110.00 dB
Time:	13:00	Calibration Date:	11/03/21
Distance From Blast:	715.98 m	Calibration Signal:	Pass
Direction From Blast:	ENE	Geophone Min. Freq.:	--- Hz
Readout:	Printed Copy	Mic. Min. Freq.:	--- Hz
Location:		Acoustic:	114 dB --- Hz
Lat./Long.:	50° 1' 1.480" N 97° 16' 28.260" W	Vector Sum:	--- mm/s

Reader and Firm:

Analyst and Firm:

Installer and Firm: