



**AUSTIN POWDER LTD.
BLAST REPORT**



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

Blast No.: 25-2021

Blast Type: Stone Quarry/Stone Mine - Production

Permittee: Hugh Munro

Customer: Hugh Munro Construction Ltd
(MUN1000-006)

Date/Time: 09/28/2021 13:04

Pit/Permit: LILYFIELD QUARRY / 1000-006

Location: North East

ENVIRONMENT

Method Used: Lat./Long.

Weather: Clear

Wind From: E

Temperature: 26 °C

Terrain: Flat

Wind Velocity: 10-18 km/h

Blast Lat./Long.: 50° 1' 1.770" N 97° 16' 49.540" W

NEAREST PROTECTED STRUCTURE

Structure Name: Trailer

Compass Point: E

Structure Type: Dwelling

Direction/Bearing: 91 °

Distance: 424 m

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

LAYOUT

Hole Depth:	5.00 m	Material Blasted:	Limestone	Total Meters Drilled:	1,944.6 m
No. of Holes:	389	Subdrilling:	0.00 m	Burden:	2.74 m
No. of V.P. † Holes:	389	Face Height:	5.00 m	Spacing:	3.35 m
No. of Rows:	8	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:	142.0 kg
Firing Device: Shot Shell Igniter	Max. Wt. of Expl. Per 8 ms Interval:	142.0 kg
Other Method:	Max. No. of Holes Per 8 ms Interval:	6
Mfg and Model: Ideal	Max. Wt. of Explosive Per Hole:	24.4 kg
Initiation Settings:	Scaled Distance Factor (max charge):	85.70
Series Resistance (ohms):	Scaled Distance Factor (per delay):	35.55

SEISMOGRAPH 1 - SEISMOGRAPH 1

Data Type: Seismic Record	Seismograph Type: Mini White Seismograph		
Date: 09/28/21	Trigger Level: 0.51 mm/s 100.00 dB	Transverse:	7.112 mm/s 25.6 Hz
Time: 13:04	Calibration Date: 12/15/21	Vertical:	3.302 mm/s 46.5 Hz
Distance From Blast: 423.67 m	Calibration Signal: Pass	Longitudinal:	8.89 mm/s 36.5 Hz
Direction From Blast: E	Geophone Min. Freq.: --- Hz	Acoustic:	116 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		