



**AUSTIN POWDER LTD.  
BLAST REPORT**



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

Blast No.: 23-2021

Blast Type: Stone Quarry/Stone Mine - Production

Permittee: Hugh Munro

Customer: Hugh Munro Construction Ltd  
(MUN1000-006)

Date/Time: 08/31/2021 12:58

Pit/Permit: LILYFIELD QUARRY / 1000-006

Location: North

**ENVIRONMENT**

Method Used: Lat./Long.

Weather: Clear

Wind From: E

Temperature: 25 °C

Terrain: Flat

Wind Velocity: 15-22 km/h

Blast Lat./Long.: 50° 1' 1.720" N 97° 16' 51.450" W

**NEAREST PROTECTED STRUCTURE**

Structure Name: Trailer

Compass Point: E

Structure Type: Dwelling

Direction/Bearing: 90 °

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

Distance: 462 m

**LAYOUT**

Hole Depth:	5.10 m	Material Blasted:	Limestone	Total Meters Drilled:	1,866.3 m
No. of Holes:	366	Subdrilling:	0.00 m	Burden:	2.74 m
No. of V.P.† Holes:	366	Face Height:	5.10 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:	121.1 kg
Firing Device: Shot Shell Igniter	Max. Wt. of Expl. Per 8 ms Interval:	121.1 kg
Other Method:	Max. No. of Holes Per 8 ms Interval:	4
Mfg and Model: Ideal	Max. Wt. of Explosive Per Hole:	35.0 kg
Initiation Settings:	Scaled Distance Factor (max charge):	78.06
Series Resistance (ohms):	Scaled Distance Factor (per delay):	41.96

**SEISMOGRAPH 1 - SEISMOGRAPH 1**

Data Type: Seismic Record	Seismograph Type: Mini White Seismograph		
Date: 08/31/21	Trigger Level: --- mm/s --- dB	Transverse:	7.874 mm/s 32.0 Hz
Time: 12:58	Calibration Date: 12/15/21	Vertical:	3.429 mm/s 51.2 Hz
Distance From Blast: 461.77 m	Calibration Signal: Pass	Longitudinal:	6.223 mm/s 26.9 Hz
Direction From Blast: E	Geophone Min. Freq.: --- Hz	Acoustic:	110 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: