



**AUSTIN POWDER LTD.
BLAST REPORT**



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

Blast No.: 8-2024

Blast Type: Stone Quarry/Stone Mine - Production

Permittee: Hugh Munro

Customer: Hugh Munro Construction Ltd
(MUN1000-006)

Date/Time: 04/15/2024 12:35

Pit/Permit: LILYFIELD QUARRY / 1000-006

Location: North West

ENVIRONMENT

Method Used: Lat./Long.

Weather: Clear

Wind From: SE

Temperature: 10 °C

Terrain: Flat

Wind Velocity: 5-7 km/h

Blast Lat./Long.: 50° 1' 8.000" N 97° 17' 8.480" W

NEAREST PROTECTED STRUCTURE

Structure Name: Whites

Compass Point: E

Direction/Bearing: 90 °

Structure Type: Dwelling

Distance: 777 m

Structure Lat./Long.: 50° 1' 7.580" N 97° 16' 29.470" W

LAYOUT

Hole Depth:	4.63 m	Material Blasted:	Limestone	Total Meters Drilled:	810.8 m
No. of Holes:	175	Subdrilling:	0.00 m	Burden:	2.74 m
No. of V.P. † Holes:	175	Face Height:	4.63 m	Spacing:	2.74 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

Max. Wt. of Expl. in Overlapped Decks:	138.3 kg
Max. Wt. of Expl. Per 8 ms Interval:	138.3 kg
Max. No. of Holes Per 8 ms Interval:	5
Max. Wt. of Explosive Per Hole:	28.0 kg
Scaled Distance Factor (max charge):	146.78
Scaled Distance Factor (per delay):	66.05

Initiation: Non-Electric
Firing Device: Shot Shell Igniter
Other Method:
Mfg and Model: Ideal
Initiation Settings:
Series Resistance (ohms):

SEISMOGRAPH 1 - SEISMOGRAPH 1

Data Type: Seismic Record	Seismograph Type: Mini White Seismograph		
Date: 04/15/24	Trigger Level: 1.02 mm/s 106.00 dB	Transverse:	0.635 mm/s 28.4 Hz
Time: 12:35	Calibration Date: 09/18/24	Vertical:	0.381 mm/s 51.2 Hz
Distance From Blast: 776.63 m	Calibration Signal:	Longitudinal:	1.016 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' 7.580" N	97° 16' 29.470" W		
Reader and Firm: AUSTIN POWDER			
Analyst and Firm:			
Installer and Firm: Austin Powder			