



**AUSTIN POWDER LTD.
BLAST REPORT**



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

Blast No.: 4-2023

Blast Type: Stone Quarry/Stone Mine - Overburden/
Stripping

Permittee: Hugh Munro

Customer: Hugh Munro Construction
Ltd
(MUN1000-006)

Date/Time: 02/03/2023 12:16

Pit/Permit: LILYFIELD QUARRY / 1000-006

Location: South East

ENVIRONMENT

Method Used: Lat./Long.

Weather: Cloudy / High
Clouds

Wind From: S

Temperature: -27 °C

Terrain: Flat

Wind Velocity: 18-27 km/h

Blast Lat./Long.: 50° 0' 50.770" N 97° 16' 40.280" W

NEAREST PROTECTED STRUCTURE

Structure Name: Whites

Compass Point: NNE

Structure Type: Dwelling

Direction/Bearing: 22 °

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

Distance: 562 m

LAYOUT

Hole Depth:	1.80 m	Material Blasted:	Soil	Total Meters Drilled:	629.4 m
No. of Holes:	350	Subdrilling:	0.00 m	Burden:	2.44 m
No. of V.P.† Holes:	350	Face Height:	1.80 m	Spacing:	2.44 m
No. of Rows:	5	Drilling Angle:	°	Back Fill Depth:	0.00 m
Diameter:	88.9 mm	Mats Used:	No	Stem Type:	3/4 Clean
				Method:	Weighted Average
				Water Depth:	0.00 m
				Stem Length:	0.91 m
				Area Type:	Center Start/ Breakout

† V.P. = Volume Producing

WEIGHTS

Initiation: Non-Electric	Max. Wt. of Expl. in Overlapped Decks:	26.0 kg
Firing Device: Shot Shell Igniter	Max. Wt. of Expl. Per 8 ms Interval:	26.0 kg
Other Method:	Max. No. of Holes Per 8 ms Interval:	1
Mfg and Model: Ideal	Max. Wt. of Explosive Per Hole:	6.5 kg
Initiation Settings:	Scaled Distance Factor (max charge):	220.45
Series Resistance (ohms):	Scaled Distance Factor (per delay):	110.23

SEISMOGRAPH 1 - SEISMOGRAPH 1

Data Type: Seismic Record	Seismograph Type: Mini White Seismograph		
Date: 02/03/23	Trigger Level: 0.51 mm/s 100.00 dB	Transverse:	0.127 mm/s 0.0 Hz
Time: 12:16	Calibration Date: 07/07/23	Vertical:	0.127 mm/s 0.0 Hz
Distance From Blast: 562.05 m	Calibration Signal: Pass	Longitudinal:	0.127 mm/s 0.0 Hz
Direction From Blast: NNE	Geophone Min. Freq.: --- Hz	Acoustic:	122 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:

Analyst and Firm:

Installer and Firm: