



**AUSTIN POWDER LTD.  
BLAST REPORT**



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

Blast No.: 09-2024

Blast Type: Stone Quarry/Stone Mine - Production

Permittee: Hugh Munro

Customer: Hugh Munro Construction Ltd  
(MUN1000-006)

Date/Time: 04/22/2024 13:05

Pit/Permit: LILYFIELD QUARRY / 1000-006

Location: South West

**ENVIRONMENT**

Method Used: Lat./Long.

Weather: Partly Cloudy

Wind From: W

Temperature: 14 °C

Terrain: Flat

Wind Velocity: 22-34 km/h

Blast Lat./Long.: 50° 0' 46.630" N 97° 17' 7.188" W

**NEAREST PROTECTED STRUCTURE**

Structure Name: White/Holstein Residence

Compass Point: NE

Structure Type: Dwelling

Direction/Bearing: 48 °

Structure Lat./Long.: 50° 1' 8.210" N 97° 16' 29.850" W

Distance: 999 m

**LAYOUT**

Hole Depth:	6.40 m	Material Blasted:	Limestone	Total Meters Drilled:	1,369.8 m
No. of Holes:	214	Subdrilling:	0.00 m	Burden:	2.74 m
No. of V.P. † Holes:	214	Face Height:	6.40 m	Spacing:	2.74 m
No. of Rows:	6	Drilling Angle:	°	Back Fill Depth:	0.00 m
Diameter:	88.9 mm	Mats Used:	No	Stem Type:	3/4 Clean
				Area Type:	Corner/Open End
				Method:	Weighted Average

† V.P. = Volume Producing

**WEIGHTS**

	Max. Wt. of Expl. in Overlapped Decks:	88.8 kg	10,307.7 m <sup>3</sup>
Initiation: Non-Electric	Max. Wt. of Expl. Per 8 ms Interval:	88.8 kg	24,424.7 t
Firing Device: Shot Shell Igniter	Max. No. of Holes Per 8 ms Interval:	1	2.606 t/kg
Other Method:	Max. Wt. of Explosive Per Hole:	44.4 kg	0.909 kg/m <sup>3</sup>
Mfg and Model: Ideal	Scaled Distance Factor (max charge):	149.88	2.370 t/m <sup>3</sup>
Initiation Settings:	Scaled Distance Factor (per delay):	105.98	
Series Resistance (ohms):			

**SEISMOGRAPH 1 - WHITE/HOLSTEIN**

Data Type: Seismic Record	Seismograph Type: MINI White Seismograph		
Date: 04/22/24	Trigger Level: 1.02 mm/s 106.00 dB	Transverse:	0.005 mm/s 0.0 Hz
Time: 13:05	Calibration Date: 09/18/24	Vertical:	0.005 mm/s 0.0 Hz
Distance From Blast: 998.52 m	Calibration Signal: pass	Longitudinal:	0.005 mm/s 0.0 Hz
Direction From Blast: NE	Geophone Min. Freq.: --- Hz		
Readout: Printed Copy	Mic. Min. Freq.: --- Hz	Acoustic:	106 dB --- Hz
Location:		Vector Sum:	--- mm/s
Lat./Long.: 50° 1' 8.210" N	97° 16' 29.850" W		
Reader and Firm: AUSTIN POWDER			
Analyst and Firm:			
Installer and Firm: AUSTIN POWDER			