



**AUSTIN POWDER LTD.
BLAST REPORT**



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

Blast No.: 10-2024

Blast Type: Stone Quarry/Stone Mine - Production

Permittee: Hugh Munro

Customer: Hugh Munro Construction Ltd
(MUN1000-006)

Date/Time: 04/30/2024 13:05

Pit/Permit: LILYFIELD QUARRY / 1000-006

Location: North

ENVIRONMENT

Method Used: Lat./Long.	Weather: Clear	Wind From: NE
Temperature: 10 °C	Terrain: Flat	Wind Velocity: 10-15 km/h
Blast Lat./Long.: 50° 0' 54.510" N 97° 17' 11.510" W		

NEAREST PROTECTED STRUCTURE

Structure Name: White/Holstein Residence	Compass Point: ENE
Structure Type: Dwelling	Direction/Bearing: 62 °
Structure Lat./Long.: 50° 1' 8.210" N 97° 16' 29.850" W	Distance: 931 m

LAYOUT

Hole Depth: 4.08 m	Material Blasted: Limestone	Total Meters Drilled: 1,098.8 m
No. of Holes: 269	Subdrilling: 0.00 m	Burden: 2.74 m
No. of V.P.† Holes: 269	Face Height: 4.08 m	Spacing: 2.74 m
No. of Rows: 17	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: 131.4 kg
Firing Device: Shot Shell Igniter	Max. Wt. of Expl. Per 8 ms Interval: 131.4 kg
Other Method:	Max. No. of Holes Per 8 ms Interval: 5
Mfg and Model: Ideal	Max. Wt. of Explosive Per Hole: 27.4 kg
Initiation Settings:	Scaled Distance Factor (max charge): 177.79
Series Resistance (ohms):	Scaled Distance Factor (per delay): 81.24

SEISMOGRAPH 1 - WHITE/HOLSTEIN

Data Type: Seismic Record	Seismograph Type: MINI White Seismograph		
Date: 04/30/24	Trigger Level: 1.02 mm/s 106.00 dB	Transverse: 0.045 mm/s	17.6 Hz
Time: 13:05	Calibration Date: 09/18/24	Vertical: 0.01 mm/s	0.0 Hz
Distance From Blast: 931.16 m	Calibration Signal: pass	Longitudinal: 0.025 mm/s	56.8 Hz
Direction From Blast: ENE	Geophone Min. Freq.: --- Hz	Acoustic: 110 dB	--- Hz
Readout: Printed Copy	Mic. Min. Freq.: --- Hz	Vector Sum: --- mm/s	
Location:			
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			