AUSTIN POWDER LTD.
BLAST REPORT

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

				Permittee:	Hugh Munro
Blast No.:	17-2022	Blast Type:	Stone Quarry/Stone Mine - Production	Customer:	Hugh Munro Construction Ltd (MUN1000-006)
Date/Time:	08/23/2022 12:46	Pit/Permit:	LILYFIELD QUARRY / 1000-006	Location:	North East

ENVIRONMENT

Method Used:	Lat./Long.	Weather:	Cloudy / High Clouds	Wind From:	N
Temperature:	17 °C	Terrain:	Flat	Wind Velocity:	10-17 km/h
Blast Lat./Long.:	50° 0' 56.450" N 97° 16' 41.350" W				

NEAREST PROTECTED STRUCTURE

		Compass Point:	NNE
Structure Name:	Whites	Direction/Bearing:	34 °
Structure Type:	Dwelling	Distance:	417 m
Structure Lat./Long.:	50° 1' 7.580" N 97° 16' 29.470" W		

LAYOUT

		Hole Depth:	5.15 m	Material Blasted:	Limestone	Total Meters Drilled:	1,390.8 m
No. of Holes:	270	Subdrilling:	0.00 m	Burden:	2.74 m	Water Depth:	1.52 m
No. of V.P.† Holes:	270	Face Height:	5.15 m	Spacing:	3.35 m	Stem Length:	1.22 m
No. of Rows:	6	Drilling Angle:	°	Back Fill Depth:	0.00 m	Area Type:	Corner/Open End
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:	72.4 kg
Initiation:	Non-Electric	Max. Wt. of Expl. Per 8 ms Interval:	72.4 kg
Firing Device:	Shot Shell Igniter	Max. No. of Holes Per 8 ms Interval:	2
Other Method:		Max. Wt. of Explosive Per Hole:	36.6 kg
Mfg and Model:	Ideal	Scaled Distance Factor (max charge):	69.00
Initiation Settings:		Scaled Distance Factor (per delay):	49.04
Series Resistance (ohms):			

SEISMOGRAPH 1 - SEISMOGRAPH 1

Data Type:	Seismic Record	Seismograph Type:	Mini White Seismograph				
Date:	08/23/22	Trigger Level:	0.51 mm/s 100.00 dB	Transverse:	2.921 mm/s	32.0 Hz	
Time:	12:46	Calibration Date:	09/01/22	Vertical:	1.778 mm/s	26.9 Hz	
Distance From Blast:	417.27 m	Calibration Signal:	Pass	Longitudinal:	2.286 mm/s	28.4 Hz	
Direction From Blast:	NNE	Geophone Min. Freq.:	--- Hz				
Readout:	Printed Copy	Mic. Min. Freq.:	--- Hz	Acoustic:	112 dB	--- Hz	
Location:				Vector Sum:	--- mm/s		
Lat./Long.:	50° 1' 7.580" N	97° 16' 29.470" W					
Reader and Firm:							
Analyst and Firm:							
Installer and Firm:							