



Table 1

H&K Group, Inc., Birdsboro Quarry
9/29/21 Community Tour Event Blast Monitoring Results

Report Date: October 5, 2021

Blast Assessment Date	Blast Event Location ¹ (Lat./Long.)	Blast Event Monitoring and/or Concern Location (Seismograph Location*) Address (Lat./Long.)		PaDEP Required Blast Event Monitoring Data		
				Linear Distance ² : Seismograph/Concern Location to Blast Event (in Feet)	Peak Sound (Decibels, dB)	Peak Particle Velocity (PPV) (Inches per second, ips)
9/29/2021	39.877499, -75.423332	408 Hopewell Street	40.252125, -75.807213	3,061	103.6	0.075
9/29/2021	39.877563, -75.42321	253 Hopewell Street	40.25393, -75.809215	3,200	N/A	N/A
9/29/2021	39.87677, -75.42437	Blast Observation Tent	40.24649, -75.821495	2,050	114	0.100
						
Maximum Allowable Pennsylvania Department of Environmental Protection (PaDEP) Blasting Limits at Closest Non-Quarry Owned Dwellings:					133	2.00

¹ - Refer to Blast Concern Map for Event Location

² - Refer to Blast Event Map for Linear Distance reference

* Closest non-quarry owned dwelling to blast event.

N/A - Resulting ground vibration and air blast did not trigger Seismograph.

2.00 = Max. Allowable Peak Particle Velocity (PPV) for General Construction

133 = Max. Allowable Air Blast (dB)

