

**Report of Noise, Dust, and Blasting Monitoring
Vulcan Materials Company
Maryville Quarry**

Blast Date	Time	Seismograph Located on the Quarry Property (MontvaleRd)		Seismograph Located at 2020 Duncan Rd	
		PPV	dB	PPV	dB
1/13/2025	16:16	0.055	109.9	0.04	113.8
1/24/2025	11:23	0.065	110.2	NT	NT
1/31/2025	11:06	NT	NT	NT	NT
2/7/2025	12:23	NT	NT	NT	NT
2/12/2025	11:48	0.055	108.8	NT	NT
2/25/2025	12:50	0.035	114.4	NT	NT
2/28/2025	11:28	NT	NT	NT	NT
3/5/2025	12:14	0.05	112.6	NT	NT
3/11/2025	14:21	NT	NT	0.04	106
3/14/2025	14:25	NT	NT	NT	NT
3/24/2025	14:09	NT	NT	NT	NT
4/2/2025	12:06	0.06	118.6	NT	NT
4/7/2025	13:06	0.065	112.6	NT	NT
4/24/2025	12:30	0.075	106.6	NT	NT
4/30/2025	13:34	0.055	112.6	NT	NT
5/9/2025	13:34	NT	NT	NT	NT
5/13/2025	14:09	NT	NT	NT	NT
5/22/2025	13:10	0.045	115.7	NT	NT
6/2/2025	15:23	0.04	115.2	0.035	114.2
6/11/2025	12:19	0.04	120.2	NT	NT
6/24/2025	11:49	0.06	116.1	NT	NT
7/9/2025	17:18	0.075	112.3	NT	NT
7/25/2025	10:33	0.04	112.6	NT	NT
8/1/2025	11:52	0.05	106.6	NT	NT
8/8/2025	12:05	0.035	115.7	NT	NT
8/25/2025	12:33	NT	NT	NT	NT
9/4/2025	12:28	0.06	103.5	NT	NT
9/24/2025	16:18	0.05	114.6	NT	NT

*N/T = Seismograph not triggered (PPV levels below detection level of seismograph)

Sample Location	Latitude	Longitude	Date	Start Time	End Time	Avg. Wind Speed (mph)	Wind Direction	% Cloud Cover	Sound Level (15 min. avg. dB)	Fugitive Dust Observed (Y or N)
#1 Water Tower	N35 43 58.8	W83 57 01.8	2/28/2025	10:14	10:29	3	SW	0	59	N
			6/3/2025	7:44	7:59	2	WSW	0	60.3	N
			9/9/2025	8:29	8:44	2	E	85%	58.7	N
#2 Milligan Rd	N35 43 40.1	W83 56 46.2	2/28/2025	10:37	10:52	5	SW	0	58.6	N
			6/3/2025	8:07	8:22	2	W	0	53.1	N
			9/9/2025	8:47	9:02	2	E	90%	52.2	N
#3 Eastover	N35 43 30.4	W83 57 18.4	2/28/2025	11:06	11:21	6	WSW	0	53.5	N
			6/3/2025	8:29	8:44	2	WNW	10	47.8	N
			9/9/2025	9:09	9:24	3	E	90%	59.6	N
#4 Trotwood	N35 43 43.3	W83 57 35.8	2/28/2025	11:35	11:50	7	WSW	0	47.8	N
			6/3/2025	9:01	9:16	3	WNW	35	44.8	N
			9/9/2025	9:45	10:00	3	E	90	48.7	N
#5 Montvale Rd	N35 43 53.8	W83 57 53.7	2/28/2025	11:53	12:08	7	SW	0	54.3	N
			6/3/2025	9:19	9:34	3	NW	30	46.6	N
			9/9/2025	10:03	10:18	3	NE	90	50.2	N
#6 Soccer Field	N35 44 17.3	W83 57 13.4	2/28/2025	12:28	12:43	8	WSW	0	57.1	N
			6/3/2025	9:52	10:07	1	ENE	20	58.7	N
			9/9/2025	10:30	10:45	4	NE	95	62.6	N

Maryville Quarry Noise Monitoring 2025

