

Airpark Associates

Sound Study Readings

Date: Thursday March 5, 2020

Time of Test: 11:15 AM – 12:36 PM

Weather: Clear to Partly Cloudy

Temperature: 46 degrees F

Wind: ESE 3.5-5 MPH

Sound Measuring Equipment: EXTECH 407764 Sound Level Meter

Setting: Fast

Sound Producing Device: NAPA 730-1082 Smart Alarm set at approx. 100 dB

Staff Present:

Frank Harksen, Deputy County Administrator

Linwood Thomas, Director of Economic Development

David Maloney, Director of Planning

Jason Hazelwood, Code Compliance Supervisor

Notes:

Balloons were placed at stations #1-#5, #7, and #8. The sound producing device (horn) was placed at stations #1-#5, and #7-#10. The sound measurements were taken adjacent to or within the public right of way on the opposite side of the subject property, and generally across the road from each of the measuring stations. The measuring device was hand held and set to “Fast” response. The sound pressure levels were recorded from a visual observation of the ETECH 407764 screen; therefore, all recorded measurements are approximate.

Ambient sound measurements were taken at each test station when there was no traffic in the vicinity of the test location. Ambient sound pressure levels ranged from a low of 39dB to a high of 52dB.

Following the recording of the ambient sound, the horn was activated and a second reading was taken. Peak sound pressure levels ranged from a low of 42dB to a high of 60dB. The highest peak readings were taken at stations #2-#5, and stations #7 and #8. These are the test stations located closest to the public right of way.

The location of the horn at stations #9 and #10 was approximate. No marking stakes or balloons were set in these locations due dense woods. The following chart is a summary of the test results at each of the eight test stations.

Location	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
Ambient dB	No test	52	35	40	39	No test	43	38	34	40
Peak dB	No test	58	53	57	59	No test	60	52	42	48

A similar test was conducted in the afternoon commencing at approximately 2:30 PM. No sound pressure readings were documented, although the ambient and peak pressure ranges generally fell within those that were recorded.

Staff present included:

Rhu Harris, County Administrator

Frank Harksen, Deputy County Administrator

Linwood Thomas, Director of Economic Development

David Maloney, Director of Planning

Jason Hazelwood, Code Compliance Supervisor

Others Present:

Faye Prichard, Board of Supervisors, Ashland District

Angela Kelly Wiecek, Board of Supervisors, Chickahominy District

Chris French, resident Chickahominy District