

TO: Mr. Wood, City Manager
FROM: David E. Beaty, Chief *D. E. Beaty*
DATE: April 3, 2017
RE: Shooting Park

On Saturday April 1, 2017 at 10:00 A.M. myself along with members of the Crossville Police Department (Captain Chris Kendrick, Sgt. Tim Vandever, Ptl. Henry Hunnicutt and Ptl. Scott VanRuden) did a simulation range test. The test was conducted at the proposed TWRA training site located on Albert Frye Road. Also assisting in testing were members of the Clay Crushers Sporting Club and the non-profit shooting club.

This test was a control test and was to simulate shot gun and pistol shooting events. The shot gun test was conducted using 12 gauge shot guns with 2 3/4" shells with loads of 1 1/8 ounce #8 shot. These guns and ammunition are standard for ATA events. The noise range for these events ranged from between 73 and 76 decibels. The pistol tests were conducted by shooting 22 caliber and 9MM pistols. The noise levels from these events ranged from between 52 and 55 decibels. These events were shot by members of the Clay Crushers Sporting Club and by members of the non-profit shooting club.

Members of the Crossville Police Department conducted a simulation using their 40 caliber Sig Sauer P229 service pistols and the noise level was 51 decibels. When using their Bushmaster AR-15 223 caliber rifle and Hero M4 223 caliber rifles the noise levels ranged from 63 to 65 decibels.

At the request of property owner, Harold Stryker, a test was conducted approximately 60 yards from his property line behind the dam of his pond. Performing this test was myself, James Wattenbarger and the property owner's son, Darrin Stryker. I shot a 12 gauge 870 Remington City issued pump shotgun with a noise level of 79 decibels. Mr. Darrin Stryker shot a 20 gauge shot gun with a noise level of 81 decibels. I also fired my 40 caliber service pistol and there was no reading on the meter.

The location of the decibel meter during testing was on the back deck of Mr. Harold Stryker's property. The weather conditions during testing was overcast with a temperature of 45 and a northwest wind at 7 MPH. While testing was performed present were Mr. Harold Stryker, Mr. Darrin Stryker, Mr. Clyde Bowman, Mayor James Mayberry, Mr. Doug Scarlett, Mr. Andy Vaughn (105.7 radio station), Sgt. Tim Vandever, myself and an unknown male. Attached to this report is the sign-in sheet for people attending the shooting event.

SIGNATURE TEST AT T.W.R.H. GRANT SITE 4/1/2017 10:00AM

~~Janet E. Cox~~
James Watterbaun
Andrew Smith
Steven Douglas

~~James Threlk~~
Phil Cox
Valerie Cox
David Manz
Isaac v. Sherrill

Lanny v. Sherrill
Randal Kellwell

Dary Bobbi
~~Robert~~

Andy Ruyke
C. P.

John P.
Joy South
Joe Mawzy
Monica Mawzy
Steve Stone

Ang Reed
Michael Will

Connor Will

Chris F. Innes
Darryl Atkinson
Katina Atkinson
Canna Atkinson
Drey Innes

Simulation Test At T.W.R.A. Grant Site 4/1/2017 10:00 AM

Dylan Mandy

DEREK GERST

ALLISON GERST

MACI GERST

NOAH GERST

Mitch Lowe

Matthew Lowe

Samuel Lowe

Alex Petty

ERNEST GALBRAITH

Richard Webb