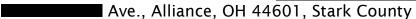


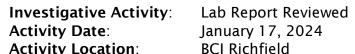
# Ohio Attorney General's Office **Bureau of Criminal Investigation**

Investigative Report

2023-2306

Officer Involved Critical Incident - |





Authoring Agent: SA Matthew Armstrong #146

#### Narrative:

On January 17, 2024, Ohio Bureau of Criminal Investigation (BCI) Special Agent (SA) Matthew Armstrong (Armstrong) received the BCI Laboratory Analysis report for items submitted to the BCI Laboratory on September 5, 2023. The analysis requested was to determine if Officer Toussant's Spikes Tactical rifle was operable and fired the recovered cartridge casings.

The following 2 items were submitted:

- 2 cartridge cases (Matrix Evidence Items #1 and #2)
- Officer Toussant's Spikes Tactical, Model STI5, .223 caliber rifle, SN: (Matrix Evidence Item #5).

The report originated from the Firearms section of the laboratory and was authored by Forensic Scientist Andrew Chappell. The analysis revealed the following:

### **Findings**

Item Description	Comparison	Conclusion
Item #3 – Spikes Tactical rifle	N/A	Operable
	Items #1 & 2 – two (2) 223 Remington fired cartridge cases	Source Identification (see remarks)

#### Remarks

Microscopic comparisons of Items #1 and 2 with test fired cartridge cases from Item #3 revealed matching chamber marks. This finding confirms that the Items #1 and 2 were cycled through the action of Item #3.

Four (4) of the submitted cartridges from Item #3 and four (4) BCI supplied cartridges were used for testing.

#### Attachments:

2023-11-16 BCI Lab Report

This document is the property of the Ohio Bureau of Criminal Investigation and is confidential in nature. Neither the document nor its contents are to be disseminated outside your agency except as provided by law - a statute, an administrative rule, or any rule of procedure.



Bureau of Criminal Investigation

Laboratory Report
Firearms

To: Ohio Attorney General's Office BCI Laboratory Number: 23-37645

S/A Matt Armstrong

30 E. Broad Street

Columbus, OH 43215

Analysis Date: Issue Date:

November 06, 2023 November 15, 2023

Agency Case Number: 2023-2306

BCI Agent: Matthew Armstrong

Offense:

Shooting Involving an Officer

Subject(s): Victim(s):

### Submitted on September 05, 2023 by S/A Matt Armstrong:

1. Envelope containing cartridge case (Matrix Evidence Item 1)

-One (1) 223 Remington fired cartridge case.

2. Envelope containing cartridge case (Matrix Evidence Item 2)

-One (1) 223 Remington fired cartridge case.

3. One cardboard box containing firearm with magazine and cartridges (Matrix Evidence Item 5)

-One (1) Spikes Tactical 5.56mm semi-automatic rifle, model ST15, serial number and one (1) magazine containing twenty-four (24) 223 Remington cartridges.

### **Findings**

Item Description	Comparison	Conclusion
Item #3 – Spikes Tactical rifle	N/A	Operable
	Items #1 & 2 – two (2) 223	Source Identification
	Remington fired cartridge cases	(see remarks)

Please address inquiries to the office indicated, using the BCI case number.

Lab Case: 23-37645 Agency Case: Date: November 15, 2023 2023-2306

### Remarks

Microscopic comparisons of Items #1 and 2 with test fired cartridge cases from Item #3 revealed matching chamber marks. This finding confirms that the Items #1 and 2 were cycled through the action of Item #3.

Four (4) of the submitted cartridges from Item #3 and four (4) BCI supplied cartridges were used for testing.

All evidence will be returned to the submitting agency.

## **Analytical Detail**

Analytical findings offered above were determined using visual and microscopic examinations / comparisons.

Andrew Chappell

andrew & Chappell

Forensic Scientist (234) 400-3650 andrew.chappell@OhioAGO.gov

Based on scientific analyses performed, this report contains opinions and interpretations by the analyst whose signature appears above. Examination documentation and any demonstrative data supporting laboratory conclusions are maintained by BCI and will be made available for review upon request.

Your feedback is important to us! Please complete our Laboratory Satisfaction Survey at: https://www.surveymonkey.com/r/Q9VQHL5

Lab Case: 23-37645 Date: November 15, 2023 Agency Case: 2023-2306

### Comparison Conclusion Scale

The following lists the conclusions a Forensic Scientist may reach when performing comparisons. In reaching a conclusion, a Forensic Scientist considers the similarities and dissimilarities and assesses the relative support of the observations under the following two propositions: the evidence originated from the same source or from a different source.

A Forensic Scientist may utilize their knowledge, training, and experience to evaluate how much support the observed similarities or dissimilarities provide for one conclusion over another. A conclusion shall not be communicated with absolute certainty. It is an interpretation of observations made by the Forensic Scientists and shall be expressed as an expert opinion.

1	Source Identification	The observations provide extremely strong support for the proposition that the evidence originated from the same source and the likelihood for the proposition that the evidence arose from a different source is so remote as to be considered a practical impossibility.
2	Support for Same Source	The observations provide more support for the proposition that the evidence originated from the same source rather than different sources; however, there is insufficient support for a Source Identification. The degree of support may range from limited to strong or similar descriptors of the degree of support. Any use of this conclusion shall include a statement of the factor(s) limiting a stronger conclusion.
3	Inconclusive	The observations do not provide a sufficient degree of support for one proposition over the other. Any use of this conclusion shall include a statement of the factor(s) limiting a stronger conclusion.
4	Support for Different Source	The observations provide more support for the proposition that the evidence originated from different sources rather than the same source; however, there is insufficient support for a Source Exclusion. The degree of support may range from limited to strong or similar descriptors of the degree of support. Any use of this conclusion shall include a statement of the factor(s) limiting a stronger conclusion.
5	Source Exclusion	The observations provide extremely strong support for the proposition that the evidence originated from a different source and the likelihood for the proposition that the evidence arose from the same source is so remote as to be considered a practical impossibility; or the evidence exhibits fundamentally different characteristics

We invite you to direct your questions to:

Abby Schwaderer, Quality Assurance Manager (740) 845-2517 abby.schwaderer@ohioattorneygeneral.gov

### **Andrew S. Chappell**

Ohio Bureau of Criminal Identification and Investigation
Statement of Qualifications
Richfield, OH 44286
(330) 659-4600 Ext. 241
andrew.chappell@ohioattorneygeneral.gov

Education Master of Science, Forensic Science; 2001

University of Alabama at Birmingham, Birmingham, AL

Bachelor of Science, Chemistry; 1997

Hampden-Sydney College, Hampden-Sydney, VA, Cum Laude

Professional Ohio Bureau of Criminal Identification and Investigation
Experience November 2001 – Present Forensic Scientist, Firearms

Virginia Division of Forensic Sciences

September 2000 – November 2000 Intern, Firearms

Specialized Smith & Wesson M&P Series Pistol Armorer, April 2010

Training Smith & Wesson, OPOTA; Richfield, OH Instructed by Daniel Keuhn

Ethics, December 2009

Similified Wesself, Of OTA, Memicia, Off instructed by Burner Reutiff

Ohio Attorney General's Office, Ohio BCI&I, Rishfield, OH

Gunshot Residue Distance Determination, September 2009

Midwest Forensic Research Center, Ohio BCI&I; London, OH Instructed by Jack Dillon

Factory Tour – Hi-Point Firearms, August 2009

Hi-Point Firearms, Inc.; Mansfield, OH Provided by Tom Deeb

NIBIN 13 Critical Tasks Workshop, March 2009

Northern Ohio Violent Crime Consortium, OPOTA; Richfield, OH Instructed by Pete Gagliardi

NIBIN Users Congress, January 2009

Bureau of Alcohol, Tobacco & Firearms; New Orleans, LA

**Ethics in Forensic Science, June 2008** 

West Virginia University Extended Learning, Ohio BCI&I; Richfield, OH

**NIBIN Users Congress, January 2008** 

Bureau of Alcohol, Tobacco & Firearms; Largo, FL

SigArms Academy Armorer's Program, November 2007

SigArms, OPOTA; Richfield, OH Instructed by Dennis Carroll

**NIBIN Users Congress, September 2007** 

Bureau of Alcohol, Tobacco & Firearms; San Antonio, TX

Ethics, April 2007

Ohio Ethics Commission, OPOTA; Richfield, OH

Firearms – DNA Interaction Training, September 2005

Ohio BCI&I; Richfield, OH Instructed by Dale Laux & Michelle Snyder

Factory Tour – Hi-Point Firearms, November 2003

Hi-Point Firearms, Inc.; Mansfield, OH Provided by Tom Deeb

**NIBIN Migration Training, May 2002** 

Forensic Technology, Inc.; Largo, FL Instructed by Anna Arvidsson & Cresha Cason

Firearms Training Program, November 2001 - November 2002

Ohio BCI&I; Richfield, OH

Specialized AAFS Annual Training Seminar, February 2001
Training, cont American Academy of Forensic Sciences; Seattle, WA

Memberships NIBIN Users Congress, 2007 - Present

Honors and Ohio BCI&I Unit Award, December, 2009

Awards Ohio BCI&I; London, OH