



Ohio Attorney General's Office
Bureau of Criminal Investigation
 Investigative Report



2023-1535

Officer Involved Critical Incident - 311 25th Street SW, Canton, Ohio

Investigative Activity: Review of BCI laboratory report
Activity Date: July 26, 2023
Activity Location: BCI Richfield
Authoring Agent: SA Matthew Armstrong #146

Narrative:

On July 26, 2023, 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 June 9, 2023 and June 21, 2023. The analysis requested was to determine if Officer Dryden's Glock duty weapon fired the recovered projectiles and the cartridge casings. Additionally, operability testing was requested for each submitted firearm.

The following 22 items were submitted:

- Jeffrey Neff's Harrington and Richardson Model 929, SN: V3455 (Matrix Evidence Item #1).
- 16 cartridge cases (Matrix Evidence Items #3 through #18).
- Officer Dryden's Glock, Model 17, SN: [REDACTED] (Matrix Evidence Item #20).
- Projectile recovered from Neff's left shoulder (Matrix Evidence Item #32).
- Projectile recovered from Neff's right chest cavity (Matrix Evidence Item #33).
- Projectile recovered from Neff's right shoulder (Matrix Evidence Item #34).
- Projectile fragments recovered from Neff's sternum (Matrix Evidence Item #35).

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 #1 – Harrington & Richardson revolver | N/A | Operable |
| Item #18 – Glock pistol | N/A | Operable |
| | Items #2 – 17 – sixteen (16) 9mm Luger fired cartridge cases | Source Identification |
| | Items #19 – 22 – three (3) fired bullets and one (1) bullet fragment | Inconclusive* |

*Similar class characteristics but insufficient corresponding individual characteristics to identify or exclude.

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Attachments:

2023-07-26 BCI Lab Report

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DAVE YOST

OHIO ATTORNEY GENERAL

Bureau of Criminal Investigation

Laboratory Report
Firearms

To: Ohio Attorney General's Office BCI Laboratory Number: 23-34977
S/A Matt Armstrong
30 E. Broad Street Analysis Date: Issue Date:
Columbus, OH 43215 June 22, 2023 June 29, 2023

Agency Case Number: 2023-1535
BCI Agent: Matthew Armstrong

Offense: Shooting Involving an Officer
Subject(s):
Victim(s):

Submitted on June 09, 2023 by S/A Matt Armstrong:

1. One box containing firearm (Matrix Evidence Item 1)
-One (1) Harrington & Richardson 22 Long Rifle double action revolver, model Side Kick, serial number V3455 and one (1) manila envelope containing nine (9) fired cartridge cases.
2. Envelope containing cartridge case (Matrix Evidence Item 3)
-One (1) 9mm Luger fired cartridge case.
3. Envelope containing cartridge case (Matrix Evidence Item 4)
-One (1) 9mm Luger fired cartridge case.
4. Envelope containing cartridge case (Matrix Evidence Item 5)
-One (1) 9mm Luger fired cartridge case.
5. Envelope containing cartridge case (Matrix Evidence Item 6)
-One (1) 9mm Luger fired cartridge case.
6. Envelope containing cartridge case (Matrix Evidence Item 7)
-One (1) 9mm Luger fired cartridge case.
7. Envelope containing cartridge case (Matrix Evidence Item 8)
-One (1) 9mm Luger fired cartridge case.
8. Envelope containing cartridge case (Matrix Evidence Item 9)
-One (1) 9mm Luger fired cartridge case.

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

BCI -Bowling Green Office
750 North College Drive
Bowling Green, OH 43402
Phone:(419)353-5603

BCI -London Office
1560 St Rt 56 SW P.O. Box 365
London, OH 43140
Phone:(740)845-2000

BCI -Richfield Office
4055 Highlander Pkwy. Suite A
Richfield, OH 44286
Phone:(330)659-4600

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9. Envelope containing cartridge case (Matrix Evidence Item 10)
-One (1) 9mm Luger fired cartridge case.
10. Envelope containing cartridge case (Matrix Evidence Item 11)
-One (1) 9mm Luger fired cartridge case.
11. Envelope containing cartridge case (Matrix Evidence Item 12)
-One (1) 9mm Luger fired cartridge case.
12. Envelope containing cartridge case (Matrix Evidence Item 13)
-One (1) 9mm Luger fired cartridge case.
13. Envelope containing cartridge case (Matrix Evidence Item 14)
-One (1) 9mm Luger fired cartridge case.
14. Envelope containing cartridge case (Matrix Evidence Item 15)
-One (1) 9mm Luger fired cartridge case.
15. Envelope containing cartridge case (Matrix Evidence Item 16)
-One (1) 9mm Luger fired cartridge case.
16. Envelope containing cartridge case (Matrix Evidence Item 17)
-One (1) 9mm Luger fired cartridge case.
17. Envelope containing cartridge case (Matrix Evidence Item 18)
-One (1) 9mm Luger fired cartridge case.
18. One box containing firearm (Serial# [REDACTED] with cartridge and magazine (Matrix Evidence Item 20)
-One (1) Glock 9mm Luger semi-automatic pistol, model 17 Gen 5, serial number [REDACTED] one (1) magazine; one (1) manila envelope containing one (1) 9mm Luger cartridge; and one (1) manila envelope containing seventeen (17) 9mm Luger cartridges.

Submitted on June 21, 2023 by S/A Matt Armstrong:

19. Envelope containing bullet (Matrix Evidence Item 032)
-One (1) fired bullet.
20. Envelope containing bullet (Matrix Evidence Item 033)
-One (1) fired bullet.
21. Envelope containing bullet (Matrix Evidence Item 034)
-One (1) fired bullet.
22. Envelope containing bullet (Matrix Evidence Item 035)
-One (1) bullet fragment.

Findings

| Item Description | Comparison | Conclusion |
|--|--|-----------------------|
| Item #1 – Harrington & Richardson revolver | N/A | Operable |
| | | |
| Item #18 – Glock pistol | N/A | Operable |
| | Items #2 – 17 – sixteen (16) 9mm Luger fired cartridge cases | Source Identification |
| | Items #19 – 22 – three (3) fired bullets and one (1) bullet fragment | Inconclusive* |

*Similar class characteristics but insufficient corresponding individual characteristics to identify or exclude.

Remarks

Two (2) BCI supplied cartridges were used for testing Item #1.

Four (4) of the submitted cartridges were used for testing Item #18.

The fired cartridge cases from Item #1 were not examined.

All evidence will be returned to the submitting agency.

Test fired specimens from revolvers are not entered into the NIBIN database.

Test fired specimens from a law enforcement officer’s duty weapon are not entered into the NIBIN database.

Analytical Detail

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



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/O9VOHL5>

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

Virginia Division of Forensic Sciences
September 2000 – November 2000 Intern, Firearms

Specialized Training **Smith & Wesson M&P Series Pistol Armorer, April 2010**
Smith & Wesson, OPOTA; Richfield, OH Instructed by Daniel Keuhn

Ethics, December 2009
Ohio Attorney General's Office, Ohio BCI&I, Richfield, 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 Training , cont **AAFS Annual Training Seminar, February 2001**
American Academy of Forensic Sciences; Seattle, WA

Memberships NIBIN Users Congress, 2007 - Present

Honors and Awards **Ohio BCI&I Unit Award, December, 2009**
Ohio BCI&I; London, OH