



FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.

**Industrial Hygiene Assessment
Resulting in the Discovery of an
Illegal Drug Laboratory
At
8347 S Reed Street, Unit 2
Littleton CO 80128**

**Prepared for:
Michelle Menkal
8347 S Reed Street, Unit 2
Littleton CO 80128**

Prepared by:

**FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.
185 Bounty Hunter's Lane
Bailey, CO 80421**



April 16, 2015

EXECUTIVE SUMMARY

- At the request of the current occupant, state of the art sampling was performed by personnel with Forensic Applications Consulting Technologies, Inc. (FACTs) for the determination of the presence of methamphetamine at 8347 S Reed Street, Unit 2, Littleton CO 80128.
- On Friday, April 10, 2015, FACTs performed a standard “basic methamphetamine survey” for methamphetamine and collected samples pursuant to established Industrial Hygiene practices and procedures.
- According to the Senior Assistant Attorney General for the Natural Resources and Environment Section, a “basic methamphetamine survey” is not subject to any regulatory constraints and none are implied in this work.¹
- FACTs collected samples from five locations throughout the residence and composited the samples into a single 5-parted composite sample for quantitative analysis of methamphetamine by gas chromatography – mass spectrometry.
- The sample results indicate the presence of widespread concentrations of reportable methamphetamine in the residence.
- Based on the results of the samples, an “illegal drug laboratory,” as defined in Colorado Revised Statutes §25-18.5-101(8) exists at the subject property.
- This letter and documentation serves as “Discovery” of an illegal drug laboratory, as that term is found in Colorado Revised Statutes §25-18.5-103(1)(a) and Regulation 6 CCR 1014-3(3) at the subject property.
- This letter and documentation serve as “Notification” of an illegal drug laboratory at the subject property, as that term is found in Colorado Revised Statutes (CRS) §25-18.5-103 (1)(a).
- Pursuant to CRS §25-18.5-104(1), from this point forward, entry into the subject property is explicitly restricted by regulation.
- Pursuant to CRS §25-18.5-104, prohibition of entry extends to Real Estate agents, property owner(s), occupants, maintenance personnel, potential buyers, home inspectors, and any and all other personnel, except law enforcement personnel and personnel meeting the requirements of Title 29 of the Code of Federal Regulations, Part 1910.120(e).

¹ The term “basic methamphetamine survey” was coined by Daniel S. Miller, Senior Assistant Attorney General, Natural Resources and Environment Section, State of Colorado Department of Law, February 2, 2015.



- Pursuant to CRS §25-18.5-103(1)(c) no person shall remove any personal belongings or personal property from the property unless that person secures the property in a manner that prevents theft and prevents exposing any other person to any toxic or hazardous chemicals until the property, and resultant debris, is appropriately discarded or cleaned according to board rules (the State regulations).
- Pursuant to CRS §25-18.5-103(1)(b), any person who owns personal belongings within the residence has ten days after the date of discovery to remove the property (under restrictions), or clean the personal belongings according to board rules. Although probably not applicable to this property, if the owner of the personal belongings fails to remove the personal property within ten days, the Registered Owner of the residence may dispose of the personal property during the clean-up process without liability to the owner of the personal property for the disposition.
- Any seller who is aware of the presence of an illegal drug laboratory is required by CRS §38-35.7-103(3)(a) to disclose to any potential buyer, in writing, the presence of the same.
- According to State Regulation 6 CCR 1014-3, any cleaning and/or remediation and/or decontamination is strictly prohibited, except pursuant to a completed Preliminary Assessment.

INTRODUCTION

On Friday, April 10, 2015, FACTs, performed a standard “basic methamphetamine survey” for the presence of methamphetamine at the residence located at 8347 S Reed Street, Unit 2, Littleton CO 80128.

Pursuant to standard, accepted Industrial Hygiene practices and protocols, FACTs collected one 5-parted composite wipe sample for the quantitative determination of the presence of methamphetamine (5 sample locations).

Personnel

The field work was performed by Mr. Glenn Hardey who reported directly from the site to Mr. Caoimhín P. Connell, Industrial Hygienist (as that term is defined in CRS §24-30-1402). A copy of Mr. Connell’s SOQ is appended to this discussion.

Objective Findings

Based on state of the art sampling and analysis techniques, FACTs conclusively determined the presence of widespread methamphetamine contamination in the residence. Based on current statutes and regulations, the property meets the definition of an “illegal drug laboratory.”



Toxicological Statement

Many compounds have a human exposure limits for referencing the significance of contamination. Many compounds have a lower limit of toxicological significance resulting in a dose below which no adverse health effects are seen, and methamphetamine is one of those compounds.

Body burden modeling has been performed using data generated by Charles Salocks, Ph.D., DABT with the California Environmental Protection Agency.² According to data generated by the California Environmental Protection Agency, sufficient toxicological data is now available to support the establishment of a “reference dose” (RfD). An RfD is an estimate of the maximum daily intake of a specific contaminant by members of the general population (including sensitive subgroups) that is likely to be without an appreciable risk of deleterious effects during a lifetime.

Toxicologically, contaminant intakes are expressed as a “dose” which is the “weight” of a contaminant taken into the body per unit body weight. Therefore, equal amounts of the same contaminant will result in different doses for different body weights. For example, if the total daily exposure mass of a contaminant is 5 milligrams (5 mg) the dose to a 15 kilogram infant would be 0.3 mg/kg/day; however the same daily intake for a 70 kg adult would only be 0.07 mg/kg/day.

For noncarcinogenic chemicals, as the dose decreases, so too decreases the risk of an observable adverse effect. With decreasing dose, one eventually reaches a dose, above which the most susceptible (sensitive) adverse effect is seen; this dose is known as the LOEL (lowest observable (adverse) effect level).

As the dose decreases even further, another point is reached where there is no observable adverse effect; this dose is referred to as the NOEL (no observable (adverse) effect level). Reference doses may be expressed as ranges that reflect either the LOEL or the NOEL.

According to the publications by the California Environmental Protection Agency, the LOEL for methamphetamine is estimated to be 0.08 mg/kg/day, and, incorporating a specified uncertainty factor, the RfD is 0.3 mg/kg/day. The LOEL can be expected, when the residual methamphetamine concentrations within an occupied residence exceeds 1.5 µg/100 cm². The reported concentration at the Reed Street property was approximately 4 µg/100cm².

This does not necessarily mean that one will have an adverse effect, and neither is there a statement to be made with regard to an unborn child. We recommend that you discuss this with your physician. Importantly, in Colorado we use methamphetamine contamination as a surrogate for all other potential contaminants. That is, we presume that if methamphetamine is present, so too present are a myriad of other potential, but

² Salocks C, *Derivation of a Risk Based Remediation Standard for Methamphetamine*, Jan 8, 2008 power point presentation



unidentified, contaminants. As such, no statement is made about the potential for exposure to other materials – again, we suggest you discuss this with your physician.

PERTINENT REGULATORY STANDARDS

The State of Colorado currently has one methamphetamine regulation and three methamphetamine statutes that are germane to the subject property.

State Statutes

Environmental Statutes

Until recently, the State of Colorado had one of the country's most comprehensive and scientifically valid clandestine drug laboratory regulations. On December 15, 2014, those regulations were replaced with new regulations that are very poorly written and are not based on any discernible rationale. However flawed, the Colorado regulations become applicable when the owner of a property has received "notification" from a cognizant authority that a property is or *may* be noncompliant or methamphetamine *may* be present, or there is a potential for contamination. The discovery upon which the notification is based may be from a peace officer "...or when a "drug laboratory" is otherwise discovered.³"

Pursuant to State statute CRS §25-18.5-105(1), an illegal drug laboratory that has not met the cleanup standards set by the State Board of Health may be deemed a public health nuisance, and must be subject to one of the following:

State Regulations

Pursuant to Colorado regulations 6 CCR 1014-3,⁴ following discovery and notification,

The owner of the structure exclusively has four options:

- 1) Demolish the structure
- 2) Perform a "full clearance sampling" assessment
- 3) Perform a Preliminary Assessment - mandatory
- 4) Sell the property under full disclosure

In this case, the sample results indicate widespread contamination, and there is only a slight probability that "full clearance sampling" assessment will demonstrate compliance.

ASSESSMENT PROTOCOLS

Sampling Protocol

During our "basic methamphetamine survey," the hypothesis was made that the subject property was devoid of detectable concentrations of methamphetamine at a specified limit

³ CRS §25-18.5-103

⁴ Titled: As amended



of reporting and data would be collected to support the hypothesis. As such, the data quality objectives were not designed to meet any regulatory requirements or quantify or characterize the *extent* or degree of contamination, but rather to support the statement:

Methamphetamine is not present in the property above specified levels.

Our DQOs were such that we selected a total sampling area that would result in a reportable quantity limit of 0.5 µg/100cm². That is, unless the concentration of the methamphetamine in the composite sample exceeded 0.49 µg/100cm², the laboratory would report the concentration as “below reportable limit.”

Under the new State regulations, all scientific sampling objectives were removed from the new regulations, and now a “consultant” is permitted to perform sampling that can intentionally “demonstrate” that even an heavily contaminated property is “compliant.” For this property however, FACTs employed scientifically valid sampling instead of regulatory sampling, and employed a sampling decision process known as “authoritative judgmental biased sampling.”

Our testing produced results that failed to support the hypothesis, and we therefore accept the null hypothesis; *viz.* the subject property conclusively contains methamphetamine at concentrations greater than the specified reporting limit. The null hypothesis that we must accept is:

Methamphetamine is present in the property above specified levels.

Wipe Sample

The wipe sample media was commercially available Johnson & Johnson™ brand gauze pads. Each gauze material was assigned a lot number for quality assurance and quality control (QA/QC) purposes and recorded on a log of results. Each pad was moistened with reagent grade methyl alcohol. Each batch of alcohol was assigned a lot number for QA/QC purposes and recorded on a log of results.

The sampling media were prepared off-site in small batches in a clean environment. The sample media were inserted into individually identified polyethylene centrifuge tubes with screw caps and assigned a unique sample identifier.

Field Blanks

The history of the FACTs sampling media has demonstrated a media and solvent contamination level below the analytical detection limit for the method. For this project, FACTs data log indicates an alcohol Lot # A13Ø2 <MDL for n=55; and Gauze Lot # G14Ø1 <MDL for n=15. Therefore, for this property, we are confident the methamphetamine identified in the samples is due to contamination at the property and not as a result of contaminated sampling materials.

Field Spikes

Although not required, as part of our general QA/QC protocol, FACTs regularly submits surreptitious spikes to the analyzing laboratory. "Spiked" samples consist of randomly



selecting samples that are submitted to a third party independent laboratory for the inclusion of known amounts of *d*-methamphetamine⁵ into the selected sample media. The spiked samples are then surreptitiously submitted with the normal project samples. To ensure the integrity of the spikes, laboratory personnel are unaware of the presence or nature of the spikes. The spikes allow FACTs to determine the adequacy of the laboratory in recovering known amounts of methamphetamine from the samples. Sample results reported are then corrected to the spike recovery.

In this case, we used the pooled spike recovery from all previous projects which indicates a spike recovery of 98.6% recovery ($n=35$, $\sigma = 0.14 \mu\text{g}$). All final results were spike-corrected. Therefore, if methamphetamine had been present at concentrations greater than the reportable limit, FACTs is confident that we would have been capable of identifying the contaminant.

Sample Results

The actual methamphetamine *concentrations* found in the samples taken at the subject property, are not required to be reported, are not germane to this discussion and cannot be used for any purpose other than discovery. The numerical values of the results do not carry any meaningful or probative value, are not within our stated data quality objectives, and therefore, are not required to be reported here. However, the results are reproduced here for academic purposes.

Sample ID	Sample Location	Sample Result $\mu\text{g}/100\text{cm}^2$
RBMS041015-01A	Living room door bell cover	3.8
RBMS041015-01B	Kitchen fan	
RBMS041015-01C	Master bedroom door jamb	
RBMS041015-01D	SW Bedroom	
RBMS041015-01E	Bathroom closet door jamb	

Table 1
Results of Methamphetamine Samples

CONCLUSIONS

Based on our objective sample results collected during our assessment, the subject property contains methamphetamine contamination in excess of our reporting thresholds. The primary regulatory reference concentration used in Colorado is $0.5 \mu\text{g}/100\text{cm}^2$. Therefore, these sample results indicate that methamphetamine contamination exists at the property at concentrations as elevated as 8 times over the regulatory cleanup level.

Pursuant to State statutes, the illegal drug lab has been “otherwise discovered.”

Sincerely,



Caoimhín P. Connell
Forensic Industrial Hygienist

⁵ S(+)-methamphetamine, S,S(+)-pseudoephedrine, 1S,2R(+)-ephedrine



**APPENDIX A
LABORATORY REPORT**

**VALUES IN THE FOLLOWING REPORT
ARE ABSOLUTE MICROGRAMS**





Forensic Applications

Final Report

RES 317122-1

April 16, 2015

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Letter	2
Report / Data	3
Quality Control Data	4
Chain of Custody	5



April 16, 2015

Laboratory Code: RES
Subcontract Number: NA
Laboratory Report: RES 317122-1
Project # / P.O. #: Reed
Project Description: None Given

Caoimhin Connell
Forensic Applications
185 Bounty Hunter Ln.
Bailey CO 80421

Dear Customer,

Reservoirs Environmental, Inc. is an analytical laboratory accredited for the analysis of Environmental matrices by the National Environmental Laboratory Accreditation Program, Lab Certification #E871030. The laboratory is currently proficient in the in-house ERA PAT Program.

Reservoirs has analyzed the following sample(s) using Gas Chromatography Mass Spectrometry (GC/MS) / Gas Chromatography Flame Ionization Detector (GC/FID) per your request. The analysis has been completed in general accordance with the appropriate methodology as stated in the analysis table. Results have been sent to your office.

RES 317122-1 is the job number assigned to this study. This report is considered highly confidential and the sole property of the customer. Reservoirs Environmental, Inc. will not discuss any part of this study with personnel other than those authorized by the client. The results described in this report only apply to the samples analyzed. This report shall not be reproduced except in full, without written approval from Reservoirs Environmental, Inc. Samples will be disposed of after sixty days unless longer storage is requested. If you should have any questions about this report, please feel free to call me at 303-964-1986.

Sincerely,

A handwritten signature in blue ink that appears to read "Jeanne Spencer".

Jeanne Spencer
President

RESERVOIRS ENVIRONMENTAL, INC.

NVLAP Accredited Laboratory #101896
AIHA Certificate of Accreditation #480 LAB ID 101533

TABLE I. ANALYSIS: METHAMPHETAMINE BY WIPE

RES Job Number: **RES 317122-1**
Client: **Forensic Applications**
Client Project Number / P.O.: **Reed**
Client Project Description: **None Given**
Date Samples Received: **April 10, 2015**
Analysis Type: **Methamphetamine by GCMS**
Turnaround: **5 Day**
Date Samples Analyzed: **April 15, 2015**

Client ID Number	Lab ID Number	Reporting Limit** (μ g)	METHAMPHETAMINE CONCENTRATION (μ g)
RBMS041015-01	EM 1383482	0.3	2.05

* Unless otherwise noted all quality control samples performed within specifications established by the laboratory.

** Client Specified Reporting Limit.


Analyst / Data QA: _____ Michael Schlaumloeffel

RESERVOIRS ENVIRONMENTAL, INC.

NVLAP Accredited Laboratory #101896
AIHA Certificate of Accreditation #480 LAB ID 101533

QUALITY CONTROL: METHAMPHETAMINE BY WIPE

RES Job Number: **RES 317122-1**
Client: **Forensic Applications**
Client Project Number / P.O.: **Reed**
Client Project Description: **None Given**
Date Samples Received: **April 10, 2015**
Analysis Type: **Methamphetamine by GCMS**
Turnaround: **5 Day**
Date Samples Analyzed: **April 15, 2015**

Quality Control Batch	Reporting Limit ($\mu\text{g}/100\text{cm}^2$)	Matrix Blank ($\mu\text{g}/100\text{cm}^2$)	Matrix Duplicate (% RPD)	Matrix Spike (% Recovery)	Laboratory Control Sample (% Recovery)
1	0.05	BRL	7	94	110

* Unless otherwise noted all quality control samples performed within specifications established by the laboratory.


Analyst / Data QA: _____ Michael Schlaumloeffel

Due Date: 4/17/15
Due Time: 11:15



REI LAB Reservoirs Environmental, Inc.

After Hours Cell Phone: 720-339-9228

Page 1 of 1

RES 317122

INVOICE TO: (IF DIFFERENT)

Company: Address: Project Number and/or P.O. #: Project Description/Location:	Company: Address: Caoimhin P. Connell Phone: 303-903-7494 Fax: Cell/pager: Email/Deliverable Email Address: admin@forensic-applications.com
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CONTACT INFORMATION:

Contact: Phone: Fax: Cell/pager: Final Data Deliverable Email Address: admin@forensic-applications.com

VALID MATRIX CODES

LAB NOTES:

Bulk = B

Paint = P

Wipe = W

Swab = SW

F = Food

Drinking Water = DW

Waste Water = WW

O = Other

ASTM E1732 approved wipe media only

0.3 µg Reporting Limit

REQUESTED ANALYSIS

AIR

Air = A

Dust = D

Soil = S

Water = SW

Food = F

Drinking Water = DW

Waste Water = WW

Other = O

ASTM E1732 approved wipe media only

0.3 µg Reporting Limit

VALID MATRIX CODES

LAB NOTES:

Bulk = B

Paint = P

Wipe = W

Swab = SW

F = Food

Drinking Water = DW

Waste Water = WW

O = Other

ASTM E1732 approved wipe media only

0.3 µg Reporting Limit

ASBESTOS LABORATORY HOURS: Weekdays: 7am - 7pm

STANDARD

(Rush PCM = 2hr, TEM = 6hr.)

CHEMISTRY LABORATORY HOURS: Weekdays: 8am - 5pm

3-5 Day

RUSH = 24 hr.

Metal(s) / Dust

3-5 Day

RUSH = 24 hr.

Prior notification is required for RUSH turnarounds.

10 day

5 day

3 day

5 Day

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APPENDIX B

CONSULTANT'S SOQ





Forensic Applications Consulting Technologies, Inc. Consultant Statement of Qualifications

FACTs project name:	Reed	Form # ML15
April 16, 2015		

Caoimhín P. Connell, has been involved in clandestine drug lab investigations since 2002 and meets the Colorado Revised Statute §24-30-1402 definition of an "Industrial Hygienist" and is authorized under 6 CCR 1014-3 to perform assessments in illegal drug laboratories. He has been a practicing Industrial Hygienist since 1987. Mr. Connell is a recognized authority in drug-lab operations and is a Certified Instructor in Meth-Lab Safety through the Colorado Regional Community Policing Institute, CRCPI (Colorado Division of Criminal Justice) and was the lead instructor for the CRCPI providing over 260 hours of methlab training for over 45 Colorado Law Enforcement Agencies, federal agents, probation and parole officers throughout Colorado judicial districts. He has provided meth-lab lectures to the US Air Force, the National Safety Council, and the American Industrial Hygiene Association (of which he is a member and serves on the Clandestine Drug Lab Work Group and for whom he conducted the May, 2010, Clandestine Drug Lab Course, and is a coauthor of the AIHA methlab assessment publication.)

Mr. Connell is a member of the American Conference of Governmental Industrial Hygienists, the Occupational Hygiene Society of Ireland, the Colorado Drug Investigators Association, an appointed Member of the National Fire Protection Association, and the ASTM International Forensic Sciences Committee, (where he was the sole sponsor of the draft ASTM E50 Standard for the Assessment of Suspected Clandestine Drug Laboratories).

From 2009, Mr. Connell served as the Industrial Hygiene Subject Matter Expert on the Federally funded Interagency Board (Health, Medical, and Responder Safety SubGroup), and was elected full member of the IAB-HMRS in 2011 where he now serves. He is the only private consulting Industrial Hygienist in Colorado certified by the Office of National Drug Control Policy High Intensity Drug Trafficking Area Clandestine Drug Lab Safety Program, and P.O.S.T. certified by the Colorado Department of Law.

He has received over 194 hours of highly specialized law-enforcement sensitive training in drug lab operation, and under supervision of the US DEA, he has manufactured methamphetamine using a variety of street methods. He has received highly specialized drug lab assessment training through the Iowa National Guard, Midwest Counterdrug Training Center and the Florida National Guard Multijurisdictional Counterdrug Task Force, St. Petersburg College, Rocky Mountain HIDTA, as well as through the US NHTSA, and the U.S. Bureau of Justice Assistance (US Dept. of Justice) and he is currently ARIDE Certified.

Mr. Connell is a current sworn law enforcement officer who has conducted clandestine laboratory investigations and performed risk, contamination, hazard and exposure assessments from both the law enforcement (criminal) perspective, and from the civil perspective in residences, apartments, motor vehicles, and condominiums. Mr. Connell has conducted over 574 assessments of illegal drug labs in CO, SD, NE, OK, and collected over 5,161 samples during assessments (a partial detailed list of drug lab experience is available on the web at): <http://forensic-applications.com/meth/DrugLabExperience2.pdf>

He has extensive experience performing assessments pursuant to the Colorado meth-lab regulation, 6 CCR 1014-3, and was an original team member on two of the legislative working-groups which wrote the original regulations for the State of Colorado and he was the primary contributing author of Appendix A (*Sampling Methods And Procedures*) and Attachment to Appendix A (*Sampling Methods and Procedures Sampling Theory*) of the original Colorado regulations. Mr. Connell strongly objected to the unscientific, unfounded and inappropriate amendments now applicable to those original regulations.

Recommended by the US NIOSH as Peer Review Expert for the NIOSH 9109 Method, *Methamphetamine*, he has been admitted as a drug lab expert in Colorado, and an Industrial Hygiene Expert in Colorado in both civil and criminal courts as well as Federal Court in Pennsylvania. He has provided expert testimony in several criminal cases including Grand Jury testimony and testimony for US Bureau ATF and he testified before the Colorado Board of Health and Colorado Legislature Judicial Committee regarding methlab issues. Mr. Connell has provided services to private consumers, Indian Nations, State Investigators, and Federal Investigators.



Multijurisdictional Counterdrug Task Force Training



This is to certify that

Caoimhin P. Connell

Has satisfactorily completed the following 24 hour MCTFT training course held at

DIVIDE, CO

St. Petersburg
Rural Patrol
College

Training held 9/27/2004 through 9/29/2004

President
St. Petersburg College

Eileen Laharie
MCTFT Director

A partnership between The Florida National Guard and St. Petersburg College



Certificate of Training

This certifies that

Caoimhin Connell

Has successfully completed the
Clandestine Laboratory Certification

Cheyenne, WY
40 Training Hours
2-6 August 2004

Charles K. Rochele
Network Environmental Systems, Inc.

LTC Timothy E. Orr
Commandant



Center *for* Task Force Training™

THIS IS TO CERTIFY THAT

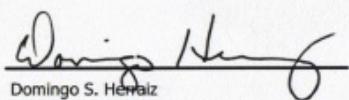
Caoimhin P. Connell

HAS SUCCESSFULLY COMPLETED 20 HOURS OF TRAINING IN

METHAMPHETAMINE INVESTIGATION MANAGEMENT

MARCH 20-22, 2006

DENVER, COLORADO



Domingo S. Herranz
Director, Bureau of Justice Assistance

Training coordinated by the
Institute for Intergovernmental
Research® on behalf of BJA



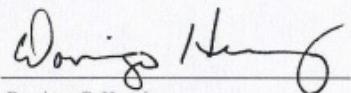
State and Local Anti-Terrorism Training

THIS IS TO CERTIFY THAT

Caoimhin P. Connell

HAS SUCCESSFULLY COMPLETED AN 8-HOUR
STATE AND LOCAL ANTI-TERRORISM TRAINING PROGRAM
NARCOTICS TASK FORCE ANTI-TERRORISM BRIEFING

June 1, 2006
Denver, Colorado



Domingo S. Herranz
Director, Bureau of Justice Assistance



BJA Bureau of Justice Assistance
Office of Justice Programs ■ U.S. Department of Justice

Training coordinated on behalf of BJA
by the Institute for Intergovernmental Research

Rocky Mountain High Intensity Drug Trafficking Area



Certifies that



Caoimhín Connell

has attended

4 hours of

Hash Oil Extraction: The Scene and The Patient

Aurora, CO

July 25, 2014

Training Manager, Rocky Mountain HIDTA

Director, Rocky Mountain HIDTA



www.nesglobal.net

Certificate of Completion

Caoimhin Connell

has successfully completed training in

Advanced Clan Labs: Beyond the Basics

presented by

NES, Inc.

1141 Sibley Street Folsom, CA 95630

Instructor - Brian Escamilla

04/28/14 04/30/14

Date

Contact Hours: 24

This certifies that

Caoimhin P Connell

Has met the requirements for the online course

Expert Testimony Training for the Prosecutor and Scientist



11-07-2012

Certificate Number: 1109778763

For more information please visit <http://www.rti.org/forensiced>



Park County Sheriff's Office Certificate of Completion

Caoimhin Connell

has completed an 8 hour course in:

Crime-scene Approach and Evidence Collection

Completed this 29th day of April, 2009

Instructor

Sheriff

Rocky Mountain High Intensity Drug Trafficking Area



Certifies that



Caoimhín P. Connell

has attended

2 hours of

Hash Oil Explosions

Woodland Park, CO

May 31, 2014

Training Manager, Rocky Mountain HIDTA

Director, Rocky Mountain HIDTA

Certificate of Completion

This Will Certify That

Caoimhín P. Connell

Successfully Completed

Prescription Drug Crimes

7 Hours Completed

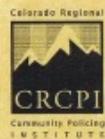
At: CO Law Enforcement Officers Assn. On: September 30, 2010
Greeley, Colorado



P. Ritch Wagner
Instructor

P. Ritch Wagner
Director, Law Enforcement-Liaison & Education

C7954



Certificate of Training

This is to certify that

Caoimhin Connell

(Name)

Park County Sheriff's Office

(Agency)

If the bearer of this document possesses a 40 Hour certificate pursuant to 29 CFR §1910.120, this certifies the above named has met the refresher training requirements of 29 CFR §1910.120(e)(8) and is hereby RECERTIFIED in Clandestine Laboratory Safety / HazWoper

Sponsored by
Rocky Mountain High Intensity Drug Trafficking Area
Colorado Regional Community Policing Institute

Caoimhin P. Connell 4/12/10

Caoimhin P. Connell, Instructor/Date



**Colorado Law Enforcement
Officers' Association**



This is to certify that

CAOIMHIN CONNELL

Completed **ARIDE (Advanced Roadside Impaired Driving
Enforcement**

hosted by **Loveland Police Department**

on **February 28 – March 1, 2011**

Binelle

Tony Binelle, CLEOA President

m. a. m.

ARIDE Instructor

State of Colorado



THE BOARD ON PEACE OFFICER STANDARDS AND TRAINING
HEREBY AWARDS THIS CERTIFICATE
AS INSPECTOR OF VEHICLE IDENTIFICATION NUMBERS
TO

CAOIMHIN PADRAIG CONNELL

August 27, 2008

Date

VIN INSP— **0952**

Number

For fulfilling the prescribed requirements as an Inspector of Vehicle Identification Numbers and as a peace officer in Colorado, pursuant to Title 42, Article 5, Section 206 Colorado Revised Statutes.

Bill Ritter Jr.
Governor

John W. Suttles
Attorney General, Board Chairperson

Certificate of Completion Intoxilyzer 9000 Operator Certification Course

The Evidential Breath Alcohol Testing Program of the
Colorado Department of Public Health and Environment certifies that

Caoimhin P Connell

User ID: **841645**

has successfully completed the "Intoxilyzer 9000 Operator Certification Course"
to determine the alcohol concentration in breath specimens pursuant to the
State Board of Health Rules Pertaining to Testing for Alcohol and Other Drugs (5 CCR, 1005-2)
Training was provided by the Evidential Breath Alcohol Testing Program
of the Colorado Department of Public Health and Environment.

February 21, 2013

Certificate Date

Jeffrey A. Groff

Jeffrey A. Groff, Program Manager
Evidential Breath Alcohol Testing Program



David A. Butcher

David A. Butcher, Director
Laboratory Services Division
Colorado Department of Public Health
and Environment

Certification expires 180 days from certificate date. Recertification must be per 5 CCR 1005-2.



Certificate of Achievement

awarded to:

Caoimhin P. Connell

Has successfully completed Methamphetamine Lab Cleanup Management and Supervision training in accordance with 29 CFR 1910.120 and State Regulations Pertaining to the Cleanup of Methamphetamine Laboratories (8Hrs.)

June 1st, 2005

Signed

HAZMAT Plans & Programs, Inc. 30 S. Havana St. Suite 304F Aurora, Colorado 80012 (303) 360-9801
"Safety Plans, Programs and Training Tailored To The Needs Of Your Business"

CERTIFICATE OF COMPLETION

COLORADO LAW ENFORCEMENT ASSOCIATIONS TRAINING PROJECT

This Certifies That

Caoimhin Connell

Has Attended the

**CLEAT 40-HOUR
Train the Trainer Course**

Hosted by Breckenridge Police Department
August 14-18, 2006

Karen M. Renshaw, CAE
Executive Director
Colorado Association of Chiefs of Police



John L. Kammerzell
Executive Director
Police Officer Standard & Training



Donald E. Christensen
Executive Director
County Sheriffs of Colorado





This is to certify that

Caoimlin P. Connell

*Has completed a 24 hour training program in Vehicle Identification Number
Inspection*

Presented this 24th day of May, 2008

[Signature]
CATI President

[Signature]
VIN Inspector Training Coordinator

State of Colorado



THE BOARD ON PEACE OFFICER STANDARDS AND TRAINING
AWARDS THIS CERTIFICATE
TO

CAOIMHIN PADRAIG CONNELL

May 6, 2004

B— 10670

Number

For fulfilling the prescribed requirements for certification. This certificate expires three years from date of issuance unless the certificate holder meets the requirements for continued certification as established by law and the P.O.S.T. Board.

T. Bill Due

Governor

Ken Salazar

Attorney General, Board Chairperson

Rocky Mountain High Intensity Drug Trafficking Area



Certifies that



Caoimhín Connell

has attended

16 hours of

MCTC / RMHIDTA Indoor Marijuana Grows

Centennial, CO

August 28-29, 2014

Training Manager, Rocky Mountain HIDTA

Director, Rocky Mountain HIDTA

CERTIFICATE OF TRAINING

THIS IS TO CERTIFY THAT

Caoimhín Connell

Has completed 4 hours of successful training for

The Hazards of Hash Oil Extraction

Held at IRIS Fire Investigations in Englewood, CO

on this 7th day of November, 2014

Robert K. Toth
IRIS Fire Investigations, President



COLORADO

Department of Public
Health & Environment

Dedicated to protecting and improving the health and environment of the people of Colorado

December 30, 2014

Caoimhin Connell
Forensic Applications Consulting Technologies Inc
185 Bounty Hunter Ln
Bailey, CO 80421

Consultant Interim Authorization Approval

Dear Caoimhin Connell:

The Hazardous Materials and Waste Management Division of the Colorado Department of Public Health and Environment (the Department) has reviewed the application for Consultant Interim Authorization and has determined the application to be complete and in compliance with 6 CCR 1014-3, Regulations Pertaining to the Cleanup of Methamphetamine-Affected Properties (the Regulations).

The Department approves the application for **Consultant Interim Authorization**. This interim authorization approval shall expire on June 15, 2015.

Assessment and sampling of methamphetamine-affected properties may only be conducted by Consultant Firms that have received interim authorization under Part 2, Section 3.2.4 of the Regulations. Therefore, this interim authorization may only be used to conduct assessment and sampling of methamphetamine-affected properties for a Consultant Firm that has received interim authorization approval from the Department.

Approved By: RJH

Date: 12/30/2014





COLORADO

Department of Public
Health & Environment

Dedicated to protecting and improving the health and environment of the people of Colorado

December 30, 2014

Forensic Applications Consulting Technologies Inc
185 Bounty Hunters Ln
Bailey, CO80421

Consultant Firm Interim Authorization Approval

Dear Forensic Applications Consulting Technologies Inc:

The Hazardous Materials and Waste Management Division of the Colorado Department of Public Health and Environment (the Department) has reviewed the application for Consultant Firm Interim Authorization and has determined the application to be complete and in compliance with 6 CCR 1014-3, Regulations Pertaining to the Cleanup of Methamphetamine-Affected Properties (the Regulations).

The Department approves the application for Consultant Firm Interim Authorization. The firm shall only utilize individuals who have received interim authorization under Part 2, Section 3.2.1 of the Regulations to conduct assessment and sampling of methamphetamine-affected properties. This interim authorization approval shall expire on June 15, 2015.

The Regulations require submittal of electronic copies of reports to the Department. Electronic copies of reports should be submitted via email to cdphe_methlabdocuments@state.co.us. The words "report" or "report submittal" should be included in the email subject line, and the property address should be included in the body of the email.

Alternatively, compact disks with electronic copies of reports may be mailed to:

Colorado Department of Public Health and Environment
Hazardous Material and Waste Management Division
4300 Cherry Creek Drive South
Denver, CO 80246-1530
Attn: Colleen Brisnehan or Richard Mruz

Packages may also be hand delivered to the Department's mail room located in the northwest corner of Building B (700 South Ash Street).

Approved By: 

Date: 12/30/2014