

Final Verification Sampling and DECISION STATEMENT of an

Identified Illegal Drug Laboratory

Jefferson County Case Reference Number: 10-123014 SR

at: 4386 S. Eldridge Street Morrison, CO 80465

Prepared for:

Martin H. Hanson 11301 Navajo Circle, #B Westminster, CO 80234

Prepared by:

FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.

185 Bounty Hunter's Lane Bailey, CO 80421



January 12, 2011

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EXECUTIVE SUMMARY

On Thursday, September 16, 2010, Forensic Applications Consulting Technologies, Inc. (FACTs) was contracted to perform a standard cursory evaluation for the presence of methamphetamine at a residence located at 4386 S. Eldridge Street, Morrison, CO (the subject property). The cursory evaluation conclusively demonstrated the presence of methamphetamine contamination. On September 22, 2010, FACTs issued a report of these findings.

On September 29, 2010, FACTs began a State mandated Preliminary Assessment at the subject property pursuant to Colorado Regulation 6 CCR 1014-43, Part 4 and issued the report of a Preliminary Assessment on October 12, 2010.

Between October 12, 2010 and January 3, 2011 Crystal Clean Decontamination and/or its subcontractors performed remediation activities at the subject property.

On January 3, 2011 FACTs performed State mandated final verification sampling at the subject property. The sampling, in the totality of circumstances, indicated there were no noncompliant concentrations of methamphetamine.

Therefore, pursuant to State Board of Health Regulations, FACTs accepts the null hypothesis, and is required by State Regulation to issue this **DECISION STATEMENT**, and hereby declares the subject property compliant with CRS 25-18.5-103 (2).

FACTs recommends that the Governing Body allow immediate reoccupancy/or sale of the subject property without further action.

REGULATORY REQUIREMENTS

Federal Requirements

All work performed by FACTs was consistent with OSHA regulations. The Remediation Contractor, Crystal Clean Decontamination, LLC, was responsible for ensuring their own compliance with OSHA and EPA regulations. FACTs has no firsthand knowledge of the remediator's actions, activities or procedures at the subject property. However, FACTs is not aware of any violations of OSHA standards or EPA regulations during this project.

State Requirements

The Colorado State Board Of Health *Regulations Pertaining to the Cleanup of Methamphetamine Laboratories* (6-CCR 1014-3) become applicable when an owner of a property has received notification from a peace officer that chemicals, equipment, or supplies indicative of a drug laboratory are located at the property or when a drug laboratory is otherwise discovered and the owner of the property where the drug laboratory is located has received notice. Whenever a methlab has been so discovered,



the property must be either demolished or documented as containing contaminant levels below statutory thresholds.¹

After a property has been remediated, an Industrial Hygienist must test the hypothesis that the property is <u>not</u> compliant with State Statutes (i.e. the property contains contamination levels in excess of regulatory thresholds). As part of the hypothesis testing, the Industrial Hygienist must perform objective sampling pursuant to regulatory protocols to quantify the remaining contamination (if any).

If, based on the totality of the circumstances, the Industrial Hygienist finds insufficient evidence to support the hypothesis that any given area is non-compliant, ² that area shall be deemed to be compliant with CRS §25-18.5-103 (2) and the Industrial Hygienist shall release the property.³

In order for a proper final declaration to be made, a final decontamination verification assessment must be performed by an Industrial Hygienist as defined in CRS §24-30-1402, and, pursuant to regulation and AIHA⁴ and ABIH⁵ standards, the Industrial Hygienist must have specific training in clandestine drug laboratory assessments.

This decontamination verification was performed by Mr. Caoimhín P. Connell, Forensic Industrial Hygienist, who meets the statutory definition and is entitled to practice Industrial Hygiene in the State of Colorado and is additionally qualified to perform the necessary testing.

According to 6-CCR 1014-3, specific mandatory information must be presented in the final verification assessment. Included with this discussion, is a DVD which contains mandatory information. This Decision Statement is not complete without the DVD. Table 1, below, summarizes the mandatory information:

⁵ American Board of Industrial Hygiene



¹ The actual contaminant thresholds will vary based on the type of activities identified at the lab; the actual statutory threshold is incumbent on the number of samples collected as a composite or discrete samples.

² No guarantee is ever made or implied that the property is completely free of contamination. Rather, a reasonable, standardized approach to decontamination is executed.

³ If objective sampling data indicates contamination is less than the cleanup level, that data may be used as *prima facie* evidence that insufficient evidence exists to support the hypothesis that any given area is non-compliant.

⁴ American Industrial Hygiene Association

Mandatory		
Final Documents		
6-CCR1014-3		Note 1
§8.1	Property description field form	
§8.2	Description of manufacturing methods and chemicals	Note 1
§8.3	Law Enforcement documentation review discussion	Note 1
§8.4	Description and Drawing of Storage area(s)	Note 1
§8.5	Description and Drawing of Waste area(s)	Note 1
§8.6	Description and Drawing of Cook area(s)	Note 1
§8.7	Field Observations field form	Note 1
30.7	FACTs Functional space inventory field form	Note 1
§8.8	Plumbing inspection field form	Note 1
	FACTs ISDS field form	Note 1
§8.9	Contamination migration field form	Note 1
§8.10	Identification of common ventilation systems	Note 1
§8.11	Description of the sampling procedures and QA/QC	Can
§8.12	Analytical Description and Laboratory QA/QC	Canto
§8.13	Location and results of initial sampling with figures	Can
§8.14	FACTs health and safety procedures in accordance with OSHA	Carl
§8.15	Contractor's description of decontamination procedures and each area that was decontaminated	Cal
§8.16	Contractor's description of removal procedures each area where removal was conducted, and the materials removed	Cal
§8.17	Contractor's description of encapsulation areas and materials	Cal.
§8.18	Contractor's description of waste management procedures	Canto
§8.19	Drawing, location and results of final verification samples	Canto
§8.20	FACTs Pre-remediation photographs and log	Note 1
90.20	FACTs Post-remediation photographs and log	Cant
§8.21	FACTs SOQ	Canton
§8.22	Certification of procedures, results, and variations	Cant
§8.23	Mandatory Certification Language	Canto
§8.24	Signature Sheet	Canto
	Analytical Laboratory Reports	Canto
NA	FACTs final closeout inventory document	Canto
14/7	Available Law Enforcement documents	Note 1
	FACTs Field Sampling Forms	Canto

Note 1: See the Preliminary Assessment dated October 12, 2010 (included with this Decision Statement on the DVD) and filed with the Governing Body.

Table 1 Inventory of Mandatory Final Information

VERIFICATION SAMPLING

During the January 3, 2011 visit to the subject property to perform final verification sampling, FACTs observed that the critical barriers remained intact at each register we observed, and was visually intact at the entrance to each attic. During the final verification sampling, negative pressure was being maintained in the remediation area, and isolated the attics and the furnace interior.



During the final inspection, FACTs did not observe any visual indicators that would support the primary hypothesis of noncompliance.

Sample Collection

During final verification sampling, wipe samples were collected from suitable surfaces at the subject property. All samples were collected by FACTs in a manner consistent with State Regulation 6-CCR 1014-3.

For this property, it was FACTs' professional opinion that, based on the totality of the circumstances, both authoritative judgmental bias sampling combined with random sampling within each functional space would be most appropriate.

Areas considered to represent the highest probable contamination areas were specifically identified for testing. Each sample area was then delineated with a measured outline and sampled pursuant to State regulations.

Wipe Samples

The wipe sample medium was individually wrapped commercially available Johnson & JohnsonTM gauze pads (FACTs Lot# G1ØØ5). Each pad was moistened with reagent grade methyl alcohol (FACTs Lot# A1ØØ1). Each gauze pad was prepared in a clean environment and inserted into an individually identified plastic centrifuge tube with a screw-cap.

Prior to the collection of each sample, the Industrial Hygienist donned fresh surgical gloves to prevent the possibility of cross-contamination. The area to be sampled was measured with a plastic ruler and delineated; the ruler was decontaminated with an individual disposable alcohol wipe between each sample.

Each wipe sample was collected by methodically wiping the entire surface of the selected area with moderate pressure; first in one direction and then in the opposite direction, folding the gauze to reveal fresh material as necessary. Each sample was returned to its centrifuge tube and capped with a screw-cap.

Samples were maintained in the control of FACTs at all times, and submitted under chain of custody to Analytical Chemistry, Inc. (ACI) of Tukwila, Washington. ACI is one of the laboratories identified in State regulation 6-CCR 1014-3 as being proficient in performing methamphetamine analysis.

Sample Results

In the table below, we have presented the results of the final verification sampling.

Sample ID	Sample Location	Area cm ²	Result	Status
EM010311-01	Living room, N wall, NW corner at ceiling	500	0.01	PASS
EM010311-02	Field Blank	NA	<0.03 [†]	PASS
EM010311-03	Kitchen, NE corner, vent duct housing	500	<0.01	PASS
EM010311-04	Fireplace room, SE corner of S wall	500	0.03	PASS
EM010311-05	Laundry room framing wall	500	<0.01	PASS
EM010311-06	Garage, metal framing along S wall	500	0.22	PASS
EM010311-07	Foyer bathroom top of shower door	529	<0.01	PASS
EM010311-08	Field Blank	NA	<0.03 [†]	PASS
EM010311-09	Basement stairs top of handrail	525	0.01	PASS
EM010311-10	Basement, top of metal I beam at wet bar	500	0.03	PASS
EM010311-11	Upstairs stairway, stairwell ceiling	500	0.04	PASS
EM010311-12	Upstairs bathroom, PVC sewer stack	500	<0.01	PASS
EM010311-13	Upstairs NE Bedroom, electrical wire on N wall	500	<0.01	PASS
EM010311-14	Upstairs SE Bedroom, S wall, SE corner	500	0.04	PASS
EM010311-15	Upstairs Master closet, N wall E corner	500	<0.01	PASS

The symbol "<" indicates that the concentration was "less than" the reported value (detection limit).

All sample results expressed as µg/100 cm2 unless otherwise indicated. †Absolute micrograms recovered;

Table 2 Summary of Final Sample Results

Quality Assurance/Quality Control Precautions

Field Blanks

For QA/QC purposes, and in accordance with State requirements, at least one field blank was submitted for every ten wipe samples. The field blanks were randomly selected from the sampling sequence and submitted along with the samples for methamphetamine analysis. To ensure the integrity of the blanks, FACTs personnel were unaware, until the actual time of sampling, which specific samples would be submitted as blanks. To ensure the integrity of the blanks, laboratory personnel were not informed which specific samples may have been a blank.

Field Duplicates

For the purposes of the data quality objectives associated with this final verification sampling, duplicates were not required, and none were collected.

Cross Contamination

To prevent cross contamination, each member of FACTs staff donned a full-body Tyvek suit before entering the subject property.

Prior to the collection of each specific sample the ruler used to measure each sampling area was decontaminated with a disposable alcohol wipe. The Industrial Hygienist donned fresh surgical gloves, prior to the collection of each sample, to protect against the possibility of cross contamination.

Sample Locations

The drawing below identifies the location of each verification sample. The outlined triangles represent the samples collected on January 3, 2011:

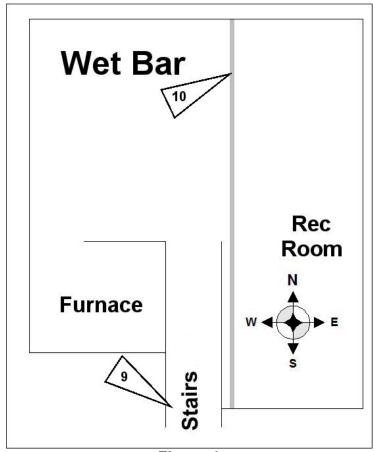


Figure 1 Location of Final Verification Samples Basement

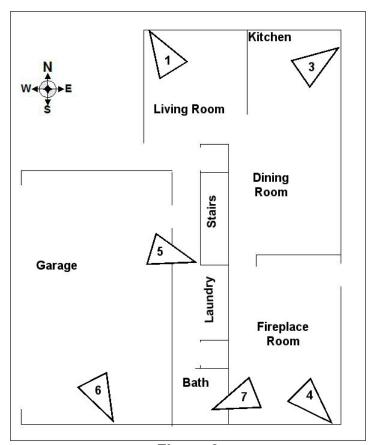


Figure 2 Location of Final Verification Samples Garden Level

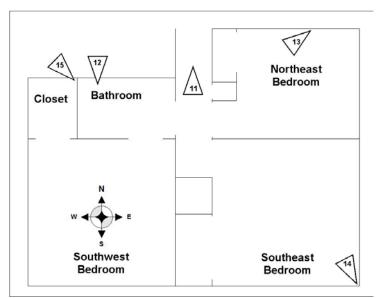


Figure 3 Locations of Final Verification Samples Second Floor



Quality Assurance / Quality Control

The following section is not intended to be understood by the casual reader; this mandatory QA/QC section is standard SW846 style QA/QC reporting. All abbreviations are standard laboratory use.

January 3, 2011 Verification

MDL was 0.004 μ g; LOQ was 0.03 μ g; MBX <MDL; LCS 0.1 μ g (RPD 2%, recovery =98%); Matrix spike 0.02 μ g (RPD 10%; recovery 110%); Matrix spike Dup is 0.02 μ g (RPD 10%; recovery 90%); Surrogate recovery (all samples): High 107% (Sample 8), Low 96% (Sample 2); FACTs reagents: MeOH lot #A1ØØ1 <MDL for n=26; Gauze lot #G1ØØ6 <MDL for n=4. (The gauze lot identified on the raw field sampling form was incorrect.)

The QA/QC indicate the data met the data quality objectives; and the results appear to exhibit no net bias.

CONCLUSIONS

Diligent adherence to State regulations does not guarantee that a remediated property will be completely free of all residual methamphetamine. Rather, the purpose of the regulations is to ensure that properties are assessed and remediated in a consistent fashion, and that verification of remediation is performed in a scientifically valid manner.

In the absence of contradictory information, hollow wall cavities and other inaccessible places in the residence are presumed to contain *de minimis* methamphetamine residue. These residues are not considered to be toxicologically significant, and are not within the definition of "contamination" as defined by State regulation. Furthermore, these areas are reasonably considered to be "no-contact" or "low-contact" areas that do not present a reasonable probability of exposure.

Pursuant to the current state of knowledge, and pursuant to state regulations, "contaminant" is defined as "...a chemical residue that may present an immediate or long-term threat to human health and the environment." The risk models⁶ described in the supporting documentation for 6-CCR 1014-3, suggest that exposure to de minimis concentrations from these areas would not reasonably pose "an immediate or long-term threat to human health and the environment" and, therefore, the presumed residues (if they exist) do not meet the definition of "contamination."

In post-decontamination sampling, the hypothesis is made that the area is non-compliant, and data are collected to test the hypothesis. The lack of data supporting the hypothesis leads the Industrial Hygienist to accept the null hypothesis, and regulations <u>require</u> the Industrial Hygienist to thus conclude that the area is compliant.

ACTo Inc

⁶ Support For Selection Of A Cleanup Level For Methamphetamine At Clandestine Drug Laboratories, Colorado Department Of Public Health And The Environment, February 2005

In this case, there were no visual indicators that supported the hypothesis and the sampling failed to demonstrate that the subject property was non-compliant. <u>As such</u>, pursuant to 6-CCR 1014-3, we accept the null hypothesis and find the subject property at 4386 South Eldridge Street, Morrison, Colorado, compliant as defined in 6-CCR 1014-3. We recommend the property be immediately released for sale and/or occupancy.

To avail of the civil liability immunity provided by CRS §25-18.5-103(2) and to ensure complete compliance with State regulations, this Decision Statement must be submitted to the Governing Body with jurisdiction over the property. Based on the best information available, the Governing Body is:

Mr. Craig Sanders
Environmental Protection Supervisor
Jefferson County Department of Health and Environment
1801 19th Street
Golden, CO 80401
Ref: Case Number 10-123014 SR

Upon receipt of payment of FACTs Invoice Number 843, FACTs will supply a copy of this document, complete with all appendices and the digital disc, to the Governing Body via email and registered mail through the US Post Office.

---** END **---



APPENDIX A REMEDIATOR'S SUBMITTALS



A meth lab clean-up and bio-recovery company

2594 S. Wolff St. Denver CO. 80219 303.884.5489 direct 303.975.9972 fax priley@crystalcleandecon.com www.crystalcleandecon.com

Decontamination Summary per 6 CCR 1014-3

Re; 4386 Eldridge St. Morrison CO

Date; January 12, 2011

§8.15 Contractor's description of decontamination procedures and each area that was decontaminated.

- Prior to the methamphetamine decontamination of the subject property Elite Environmental Services, Inc located at 12150 W. 44th Ave #116 Wheat Ridge CO 80033 was contracted to remove and dispose of all previously damaged and encapsulated dry wall that was found to contain ACMs (asbestos containing materials). Elite's waste manifests will be forwarded as soon as they are received by CCD.
- All areas being decontaminated were contained under negative air pressure with HEPA filtration prior to and during the decontamination.
- Subject property consisted of four levels, basement, main level consisting of the living room, one bathroom and the two car garage. The next level is made up of the kitchen and dining room. The upper level has three bedrooms and one bathroom.
- The attic space was excluded from the decontamination. It was found to be compliant during the Preliminary Assessment. Critical barriers were put in place isolating the attic to prevent any cross contamination.
- The HVAC system was also found to be compliant during the Preliminary Assessment. The system was placed under positive air pressure prior to and during decontamination to insure that no cross contamination could occur.
- All of these areas were decontaminated using industrial equipment and detergents.

§8.16 Contractor's description of removal procedures each area where removal was conducted and the materials removed.

- One enclosed 40 yard roll off container was paced in the driveway at the front of the home.
- All carpeting, padding, tact strip, window coverings, washer, dryer, ceiling fans, light fixtures, ceiling tiles, kitchen cabinets and other miscellaneous debris were removed from the interior of the subject property and disposed of.



A meth lab clean-up and bio-recovery company

2594 S. Wolff St. Denver CO. 80219 303.884.5489 direct 303.975.9972 fax priley@crystalcleandecon.com www.crystalcleandecon.com

§8.17 Contractor's description of encapsulation areas and materials **No encapsulation was preformed.**

§8.18 Contractor's description of waste management procedures

- All waste was trans-loaded through the garage to the containers. One forty yard roll off was used for Meth debris and one forty yard roll off was used for the ACMs.
- All containers were provided by Allied Waste of Denver Co.
- All containers were enclosed and secured prior to their removal from the site.
- All waste manifests will be forwarded to Forensic applications when received from Allied Waste.

Peter C Riley, President Crystal Clean Decontamination, LLC 2594 S Wolff St. Denver CO 80219 303.884.5489 direct 303.975.9972 fax

APPENDIX B POST-REMEDIATION PHOTOGRAPH LOG SHEET

FACTs project name: Eldridge		Form # ML9	
Date: Jan 12, 2011			
Reporting IH:	Caoimhín P. Conn	Caoimhín P. Connell, Forensic IH	

Name	Date taken	Name	Date taken
Attic	1/3/2011 14:56 PM	Bsmnt (12)	1/3/2011 14:39 PM
Attic (2)	1/3/2011 14:56 PM	Bsmnt (13)	1/3/2011 14:39 PM
Attic (3)	1/3/2011 14:58 PM	Bsmnt (14)	1/3/2011 14:39 PM
Bath US	1/3/2011 14:46 PM	Bsmnt (15)	1/3/2011 14:40 PM
Bath US (2)	1/3/2011 14:46 PM	Bsmnt (16)	1/3/2011 14:40 PM
Bath US (3)	1/3/2011 14:46 PM	Bsmnt (17)	1/3/2011 14:40 PM
Bath US (4)	1/3/2011 14:47 PM	Bsmnt (18)	1/3/2011 14:40 PM
Bath US (5)	1/3/2011 14:47 PM	Bsmnt (19)	1/3/2011 14:40 PM
Bath US (6)	1/3/2011 14:47 PM	Bsmnt (20)	1/3/2011 14:40 PM
Bath US (7)	1/3/2011 14:47 PM	Bsmnt (21)	1/3/2011 14:40 PM
Bath US (8)	1/3/2011 14:51 PM	Bsmnt (22)	1/3/2011 14:41 PM
■ Bsmnt	1/3/2011 14:38 PM	Bsmnt stairs	1/3/2011 14:06 PM
Bsmnt (2)	1/3/2011 14:38 PM	Dining room	1/3/2011 14:02 PM
Bsmnt (3)	1/3/2011 14:38 PM	Dining room (2)	1/3/2011 14:02 PM
Bsmnt (4)	1/3/2011 14:38 PM	Dining room (3)	1/3/2011 14:03 PM
Bsmnt (5)	1/3/2011 14:38 PM	Dining room (4)	1/3/2011 14:03 PM
Bsmnt (6)	1/3/2011 14:38 PM	S DS Bath	1/3/2011 14:20 PM
Bsmnt (7)	1/3/2011 14:38 PM	S DS Bath (2)	1/3/2011 14:20 PM
Bsmnt (8)	1/3/2011 14:39 PM	DS Bath (3)	1/3/2011 14:20 PM
Bsmnt (9)	1/3/2011 14:39 PM	DS Bath (4)	1/3/2011 14:20 PM
Bsmnt (10)	1/3/2011 14:39 PM	DS Bath (5)	1/3/2011 14:20 PM
Bsmnt (11)	1/3/2011 14:39 PM	S DS Bath (6)	1/3/2011 14:20 PM

FACTs project name: Eldridge		Form # ML9
Date: Jan 12, 2011		
Reporting IH:	Caoimhín P. Connell, Forensic IH	

Name	Date taken	Name	Date taken
S DS Bath (7)	1/3/2011 14:20 PM	Exterior (18)	1/3/2011 15:07 PM
S DS Bath (8)	1/3/2011 14:21 PM	Exterior (19)	1/3/2011 15:07 PM
DS Bath (9)	1/3/2011 14:21 PM	Exterior (20)	1/3/2011 15:07 PM
DS Bath (10)	1/3/2011 14:24 PM	Exterior (21)	1/3/2011 15:07 PM
DS Bath (11)	1/3/2011 14:25 PM	Exterior (22)	1/3/2011 15:07 PM
Exterior	1/3/2011 13:46 PM	Exterior (23)	1/3/2011 15:07 PM
Exterior (2)	1/3/2011 13:46 PM	Exterior (24)	1/3/2011 15:07 PM
Exterior (3)	1/3/2011 13:46 PM	Exterior (25)	1/3/2011 15:07 PM
Exterior (4)	1/3/2011 13:46 PM	Exterior (26)	1/3/2011 15:08 PM
Exterior (5)	1/3/2011 13:46 PM	Foyer	1/3/2011 14:06 PM
Exterior (6)	1/3/2011 13:46 PM	Foyer (2)	1/3/2011 14:06 PM
Exterior (7)	1/3/2011 13:46 PM	Foyer (3)	1/3/2011 14:15 PM
Exterior (8)	1/3/2011 13:46 PM	Foyer (4)	1/3/2011 14:15 PM
Exterior (9)	1/3/2011 13:46 PM	Garage	1/3/2011 14:25 PM
Exterior (10)	1/3/2011 13:46 PM	Garage (2)	1/3/2011 14:25 PM
Exterior (11)	1/3/2011 13:56 PM	Garage (4)	1/3/2011 14:25 PM
Exterior (12)	1/3/2011 13:56 PM	Garage (5)	1/3/2011 14:25 PM
Exterior (13)	1/3/2011 13:56 PM	Garage (6)	1/3/2011 14:26 PM
Exterior (14)	1/3/2011 13:56 PM	Garage (8)	1/3/2011 14:26 PM
Exterior (15)	1/3/2011 13:56 PM	Garage (9)	1/3/2011 14:26 PN
Exterior (16)	1/3/2011 13:56 PM	Garage (11)	1/3/2011 14:26 PM
Exterior (17)	1/3/2011 13:56 PM	Sarage (12)	1/3/2011 14:26 PM

FACTs project name: Eldridge		Form # ML9
Date: Jan 12, 2011		
Reporting IH:	Caoimhín P. Connell, Forensic IH	

Name	Date taken	Name	Date taken
Sarage (13)	1/3/2011 14:26 PM	Laundry (7)	1/3/2011 14:17 PM
Garage (14)	1/3/2011 14:27 PM	Laundry (8)	1/3/2011 14:17 PM
Garage (15)	1/3/2011 14:28 PM	Laundry (9)	1/3/2011 14:17 PM
Gloves	1/3/2011 14:34 PM	Living room	1/3/2011 13:59 PM
Gloves (2)	1/3/2011 14:58 PM	Living room (2)	1/3/2011 13:59 PM
Gloves (3)	1/3/2011 14:59 PM	Living room (3)	1/3/2011 13:59 PM
Gloves (4)	1/3/2011 14:59 PM	Living room (4)	1/3/2011 13:59 PM
Gloves (5)	1/3/2011 14:59 PM	Living room (5)	1/3/2011 14:00 PM
Kitchen	1/3/2011 14:02 PM	Living room (6)	1/3/2011 14:00 PM
Kitchen (2)	1/3/2011 14:02 PM	Living room (7)	1/3/2011 14:00 PM
Kitchen (3)	1/3/2011 14:02 PM	Living room (8)	1/3/2011 14:00 PM
Kitchen (4)	1/3/2011 14:02 PM	Living room (9)	1/3/2011 14:00 PM
Kitchen (5)	1/3/2011 14:02 PM	Living room (10)	1/3/2011 14:00 PM
Kitchen (6)	1/3/2011 14:02 PM	Living room (11)	1/3/2011 14:00 PM
Kitchen (7)	1/3/2011 14:03 PM	Master Master	1/3/2011 14:49 PM
Kitchen (8)	1/3/2011 14:03 PM	Master (2)	1/3/2011 14:49 PM
Laundry	1/3/2011 14:06 PM	Master (3)	1/3/2011 14:49 PM
Laundry (2)	1/3/2011 14:06 PM	Master (4)	1/3/2011 14:49 PM
Laundry (3)	1/3/2011 14:06 PM	Master (5)	1/3/2011 14:49 PM
Laundry (4)	1/3/2011 14:06 PM	Master (6)	1/3/2011 14:49 PM
Laundry (5)	1/3/2011 14:20 PM	Master (7)	1/3/2011 14:49 PM
Laundry (6)	1/3/2011 14:20 PM	Master (8)	1/3/2011 14:49 PM

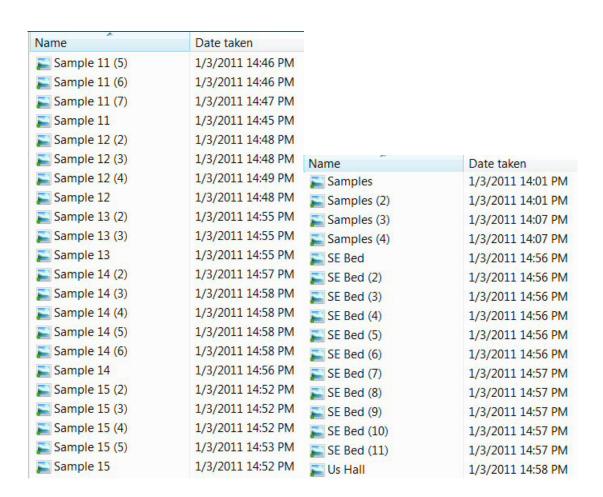
FACTs project name: Eldridge		Form # ML9
Date: Jan 12, 2011		
Reporting IH:	Caoimhín P. Connell, Forensic IH	

Name	Date taken	Name	Date taken
Master (9)	1/3/2011 14:50 PM	Rec room (8)	1/3/2011 14:03 PM
Master (10)	1/3/2011 14:50 PM	Rec room (9)	1/3/2011 14:03 PM
Master (11)	1/3/2011 14:50 PM	Rec room (10)	1/3/2011 14:03 PM
Master (12)	1/3/2011 14:50 PM	Rec room (11)	1/3/2011 14:03 PM
Master (13)	1/3/2011 14:50 PM	Rec room (12)	1/3/2011 14:04 PM
Master (14)	1/3/2011 14:53 PM	Rec room (13)	1/3/2011 14:04 PM
NE Bed	1/3/2011 14:53 PM	Rec room (14)	1/3/2011 14:04 PM
NE Bed (2)	1/3/2011 14:53 PM	Rec room (15)	1/3/2011 14:04 PM
NE Bed (3)	1/3/2011 14:53 PM	Rec room (16)	1/3/2011 14:04 PM
NE Bed (4)	1/3/2011 14:53 PM	Rec room (17)	1/3/2011 14:04 PM
NE Bed (5)	1/3/2011 14:53 PM	Rec room (18)	1/3/2011 14:04 PM
NE Bed (6)	1/3/2011 14:54 PM	Rec room (19)	1/3/2011 14:04 PM
NE Bed (7)	1/3/2011 14:54 PM	Rec room (20)	1/3/2011 14:06 PM
NE Bed (8)	1/3/2011 14:54 PM	Sample 1 (2)	1/3/2011 14:08 PM
NE Bed (9)	1/3/2011 14:54 PM	Sample 1 (3)	1/3/2011 14:09 PM
Rec room	1/3/2011 13:56 PM	Sample 1 (4)	1/3/2011 14:09 PM
Rec room (2)	1/3/2011 13:56 PM	Sample 1 (5)	1/3/2011 14:09 PM
Rec room (3)	1/3/2011 13:56 PM	Sample 1 (6)	1/3/2011 14:10 PM
Rec room (4)	1/3/2011 13:56 PM	Sample 1	1/3/2011 14:07 PM
Rec room (5)	1/3/2011 13:57 PM	Sample 3 (2)	1/3/2011 14:11 PM
Rec room (6)	1/3/2011 14:03 PM	Sample 3 (3)	1/3/2011 14:11 PM
Rec room (7)	1/3/2011 14:03 PM	Sample 3 (4)	1/3/2011 14:12 PM

FACTs project name: Eldridge		Form # ML9
Date: Jan 12, 2011		
Reporting IH:	Caoimhín P. Connell, Forensic IH	

Name	Date taken	Name	Date taken
Sample 3 (5)	1/3/2011 14:12 PM	Sample 7 (2)	1/3/2011 14:24 PM
Sample 3 (6)	1/3/2011 14:12 PM	Sample 7 (3)	1/3/2011 14:24 PM
Sample 3	1/3/2011 14:10 PM	Sample 7 (4)	1/3/2011 14:24 PM
Sample 4 (2)	1/3/2011 14:13 PM	Sample 7	1/3/2011 14:24 PM
Sample 4 (3)	1/3/2011 14:13 PM	Sample 9 (2)	1/3/2011 14:35 PM
Sample 4 (4)	1/3/2011 14:14 PM	Sample 9 (3)	1/3/2011 14:35 PM
Sample 4 (5)	1/3/2011 14:14 PM	Sample 9 (4)	1/3/2011 14:35 PM
Sample 4 (6)	1/3/2011 14:14 PM	Sample 9 (5)	1/3/2011 14:37 PM
Sample 4 (7)	1/3/2011 14:15 PM	Sample 9 (6)	1/3/2011 14:37 PM
Sample 4	1/3/2011 14:13 PM	Sample 9 (7)	1/3/2011 14:37 PM
Sample 5 (2)	1/3/2011 14:16 PM	Sample 9	1/3/2011 14:34 PM
Sample 5 (3)	1/3/2011 14:18 PM	Sample 10 (2)	1/3/2011 14:42 PM
Sample 5 (4)	1/3/2011 14:18 PM	Sample 10 (3)	1/3/2011 14:42 PM
Sample 5 (5)	1/3/2011 14:18 PM	Sample 10 (4)	1/3/2011 14:42 PM
Sample 5	1/3/2011 14:16 PM	Sample 10 (5)	1/3/2011 14:42 PM
Sample 6 (2)	1/3/2011 14:27 PM	Sample 10 (6)	1/3/2011 14:43 PM
Sample 6 (3)	1/3/2011 14:27 PM	Sample 10 (7)	1/3/2011 14:43 PM
Sample 6 (4)	1/3/2011 14:31 PM	Sample 10 (8)	1/3/2011 14:43 PM
Sample 6 (5)	1/3/2011 14:26 PM	Sample 10	1/3/2011 14:41 PM
Sample 6 (6)	1/3/2011 14:26 PM	Sample 11 (2)	1/3/2011 14:45 PM
Sample 6 (7)	1/3/2011 14:25 PM	Sample 11 (3)	1/3/2011 14:45 PM
Sample 6	1/3/2011 14:27 PM	Sample 11 (4)	1/3/2011 14:46 PM

FACTs project name	Eldridge	Form # ML9
Date: Jan 12, 2011		
Reporting IH:	Caoimhín P. Conne	II, Forensic IH



APPENDIX C FINAL CERTIFICATION SIGNATURE SHEET

CERTIFICATION, VARIATIONS AND SIGNATURE SHEET

FACTs project name: Eld	ridge	Form # ML14
Date: Jan 12, 2011		
Reporting IH:	Caoimhín P. Connell, Forensi	c IH

Certification

Statement	Signature
I do hereby certify that I conducted a preliminary assessment of the subject property in accordance with 6 CCR 1014-3, § 4.	Cant 16M
I do hereby certify that I conducted post-decontamination clearance sampling in accordance with 6 CCR 1014-3, §6.	Called
I do hereby certify that the cleanup standards established by 6 CCR 1014-3, § 7 have been met as evidenced by testing I conducted.	Called
I do hereby certify that the analytical results reported here are faithfully reproduced.	Callen

In the section below, describe any variations from the standard.

Pursuant to the language required in 6 CCR 1014-3, § 8:

I do hereby certify that I conducted a preliminary assessment of the subject property in accordance with 6 CCR 1014-3, § 4. I further certify that the cleanup standards established by 6 CCR 1014-3, § 7 have been met as evidenced by testing I conducted.

Signature

Date: Jan 12, 2011

APPENDIX D FIELD DATA SHEETS AND ANALYTICAL SUBMITTALS



ANALYTICAL CHEMISTRY INC.

4611 S. 134th Place, Ste 200 Tukwila WA 98168-3240

Website: www.acilabs.com

Phone: 206-622-8353 E-mail: info@acilabs.com

Lab Reference:	11102-06	
Date Received:	January 6, 2011	
Date Completed:	January 8, 2011	

January 10, 2011

CAOIMHIN P CONNELL FORENSIC APPLICATIONS INC 185 BOUNTY HUNTER'S LN BAILEY CO 80421

CLIENT REF: Eldridge

SAMPLES: wipes/15

ANALYSIS: Methamphetamine by Gas Chromatography-Mass Spectrometry.

RESULTS: in total micrograms (ug)

Sample	Methamphetamine, ug	% Surrogate Recovery
EM010311-01	0.035	101
EM010311-02	< 0.030	96
EM010311-03	< 0.030	102
EM010311-04	0.141	98
EM010311-05	< 0.030	103
EM010311-06	1.10	102
EM010311-07	< 0.030	97
EM010311-08	< 0.030	107
EM010311-09	0.067	99
EM010311-10	0.125	98
EM010311-11	0.218	104
EM010311-12	< 0.030	98
EM010311-13	< 0.030	106
EM010311-14	0.192	98
EM010311-15	< 0.030	99
QA/QC Method Blank	< 0.004	
QC 0.100 ug Standard	0.098	1
QA 0.020 ug Matrix Spike	0.022	
QA 0.020 ug Matrix Spike Duplicate	0.018	1
Method Detection Limit (MDL)	0.004	
Practical Quantitation Limit (PQL)	0.030	

'<': less than, not detected above the PQL

Robert M. Orheim

Director of Laboratories

ANALYTICAL CHEMISTRY INC.

CDL SAMPLING & CUSTODY FORM

4611 S 134th Pl, Ste 200 Tukwila WA 98168-3240 Website: www.acilabs.com

FAX: 206-622-4623 Phone: 206-622-8353

Please do not write

Page of

PROJECT Name/No: SAMPLING DATE: SAMPLER NAME: Number Caoimhín P. Connell LAB PRINT NAME eMail: CHAIN OF CUSTODY RECORD Caoimhín P. Connel Fiosrach@aol.com Eldridge EM010311-02 EM010311-01 EM010311-09 EM010311-08 EM010311-07 EM010311-06 EM010311-05 EM010311-04 EM010311-03 Sample Number EM010311-10 January 3, 2011 Signature FACTs, Inc. COMPANY Wipe × × × × × × × × × × REPORT TO: COMPANY: ADDRESS: Wipes Results in: PHONE SAMPLE MATRIX Vacuum 01/03/2011 Caoimhín P. Connell 16/11 303-903-7494 185 Bounty Hunters Lane, Bailey, CO 80421 Forensic Applications, Inc. DATE Other かった 1500 µg/100cm² TIME 1 \times × × × × × × \times × × ANALYSIS REQUESTS × × N × × × × × × × × × **Turnaround Time** × × × × × × w × × × × 3 Days (1.5X) 2 Days (1.75X) 24 Hours (2X) Routine X Total µg 4 5 6 Custody Seals: Temperature: Inspected By: COMMENTS Container: Lab File No. in shaded areas SAMPLER 5 ω N Total Number of Containers ANALYSIS REQUESTED Not Submitted Weigh and report in mg RUSH Use entire contents Methamphetamine Normal Turn-around time (verified by laboratory LAB COMMENTS Ambient Intact MIA SAZON Yes Cooled Broken No 0

ANALYTICAL CHEMISTRY INC.

CDL SAMPLING & CUSTODY FORM

4611 S 134th Pl, Ste 200 Tukwila WA 98168-3240 Website: www.acilabs.com

Phone: 206-622-8353 FAX: 206-622-4623

Page 1 of 2

Please do not write in shaded areas.

SAMPLING DATE:	100 0 0011	REPORT TO:	_	Cacimbin P Connell		ANAIV	ANALYSIS BEOLIESTED	TED
	candary o, 2011		_			1 Metham	Methamphetamine	!
PROJECT Name/No:	Eldridge	COMPANY:		Forensic Applications, Inc.			Use entire contents	
eMail:	Fiosrach@aol.com	ADDRESS:		185 Bounty Hunters Lane, Bailey, CO 80421	CO 80421	3 Normal	Normal Turn-around time	0
SAMPLER NAME:	Caoimhín P. Connell	PHONE	303-903-7494	-7494			Weigh and report in mg	
		SAMPL	SAMPLE MATRIX	ANALYSIS REQUESTS	QUESTS	3	IAR	Noof
Number	Sample Number	Wipe Vacuum	ıum Other	er 1 2 3 4	5 6	COMMENTS	COMMENTS	S Salaria
	EM010311-11	×		× × ×				
	EM010311-12	×		× × ×				
	EM010311-13	×		× × ×				
	EM010311-14	×		× × ×				
	EM010311-15	×		× × ×				
	EM010311-16	*		* * *				
	EM010311-17	*		×				
	EM010311-18	×		×				
	EM010311-19	*		* * *				
	EM010311-20	×		× ×				
CHAIN	CHAIN OF CUSTODY RECORD	Wipes	Results in:	☐ µg/100cm² 🗵	Total µg	Total Numbe (verified t	Total Number of Containers (verified by laboratery)	67
PRINT NAME	Signature	COMPANY	DATE	TIME Turnar	Turnaround Time	Custody Seals:	(Yes)	No
Caoimhín P. Connell	W CVV Co III	FACTs, Inc.	01/03/2011	3 350 0 241	24 Hours (2X)	Container:	Intact	Broken
MIA SAZON	h	ART	1/6/11	150 € □ 2 D	2 Days (1.75X)	Temperature:	Ambient	Cooled
	0.47			□ 3 D;	3 Days (1.5X)	Inspected By:	MIA S	AN
				X Routine	tine	Lab File No.	11102	30

SAMPLING FIELD FORM

FACTs pro	ject na	FACTs project name: Eldridge	Form # ML17	<u> </u>	ø	
Date: Sept	ember	Date: September 29, 2010 1/3/2011	Alcohol Lot#: A1001 Gauze Lot#: 91005			
Reporting	IH: Cao	Reporting IH: Caoimhín P. Connell, Forensic IH	Preliminary X Intermediate / Final X			
EMO10311			012	00 NO	DA NOT SEQUES	42
Sample ID	Туре		Location	/Funct. Space	Dimensions	Substrate
-Ø1		LR / 41 wall / Nu	o copnea	1	20 x 25	An Mul
-02		() ()				A Del
-03		KircueulDR / NE	16 apence (vent Housing	Z	JOXAS	Pro DW
-04		10 - Pm	SE connect So. wall	٣.	20×25	Ro De
-05		11/1/14	4 When (LORY FRANCING)	H	30x25	so Du
90-	35	RAGO INKTH	FRAMING afformed to theiling (NO sine)	6	**	mera (
-07		Born 11		2	*	netal
-08		,	(1) V (1)			
6Ø-		Prant STAIRS / K	/ Kailing 100	7	3,5 x 150 V UDDE	Vunn
-10		Range I mont me	meral hearn on alo 5x100	Ś	HXXX Pr Wera	Pr Wera
F -		and Floor Star	22 Rusay / Som 11 1/0	6	20x25 pr du	or du)
-12		nd Floor		10	42135	PVC
-13		n IETE	a adwovir !!	11	2×250	Plash
-14		SE KORM 150	O WAII (SE MORNOR.	13	20x25	MY
-15		MASTER 75 Pm 10	- 1	13	20 X 25	RZ
Sample Types	s: W=Wip	Sample Types: W=Wipe; V=Microvacuum; A=Air; B=Bulk; L=liquid				

Surfaces: DW= Drywall, P=Painted; W= Wood, L= Laminated, V= Varnished, M= Metal, C=Ceramic, Pl=Plastic

NOTE; FOYER BATH WATER PIPE BURST. WATER JOURING IN
FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.
1
FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC Cy came And TURINES WATER LAKE HURST WATER CO. App. 130pm

5

Meth-lab Assessment Form © 2005 1= 3x81+112+80

APPENDIX F FINAL CLOSEOUT INVENTORY DOCUMENT

FINAL SAMPLING CHECKLIST

FACTs project name:	Eldridge	Form # ML18
Date: Jan 12, 2011		
Reporting IH:	Caoimhín P. Connell, Forensi	c IH

Functional Space #	Collected 500 cm ²	General Sampling Considerations	
1	1/3/2011	Floor Space Area of Lab (ft ²)	3,079
2	1/3/2011	One extra sample is required for every 500 ft ² of floor space >1,500ft ² . Enter number of extra samples required:	4
3	1/3/2011	Enter minimum number of final samples required based on floor space.	9
4	1/3/2011	Enter Number of Functional Spaces to be included	17
5	1/3/2011	Enter the minimum number of sample required based on the number of functional spaces	17
6	1/3/2011	Is the lab a motor vehicle?	No
7	1/3/2011	Does the lab contain motor vehicles?	No
8	1/3/2011	Enter number of motor vehicles associated with the lab:	0
9	1/3/2011	Are the vehicles considered functional spaces of the lab?	NA
10	1/3/2011	For vehicles that are merely functional spaces, one extra 500 cm ² sample is required for each vehicle. Enter the number of extra samples for functional space vehicles:	0
11	1/3/2011	Enter number of large vehicles (campers, trailers, etc)	0
12	1/3/2011	One extra sample is required for every 50 ft ² of floor space of large vehicles. Enter number of extra samples required:	0
13	1/3/2011	Enter total number of samples to be collected.	17
14	9/29/2010	One BX must be included for every 10 samples. Enter the number of BX required.	2
15	9/29/2010	Enter total number of samples/BXs required	19
16	9/29/2010	Enter total number of samples/BXs actually collected for clearance	
17	9/29/2010		
		Collected a minimum of 3 discrete samples from the lab?	Yes
This Space	ie Blank	Collected minimum of 500 cm ² per functional space?	Yes
Tills Space	19 DIAIIK	Collected minimum of 1,000 cm ² surface area from the lab?	Yes
		Sketch of the sample locations performed?	Yes

APPENDIX F INDUSTRIAL HYGIENIST'S SOQ



FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC. CONSULTANT STATEMENT OF QUALIFICATIONS

(as required by State Board of Health Regulations 6 CCR 1014-3 Section 8.21)

FACTs project name:	Eldridge	Form # ML15
Date January 12, 2011		
Reporting IH:	Caoimhín P. Connell, Forensic I	Н

Caoimhín P. Connell, who has been involved in clandestine drug lab (including meth-lab) investigations since 2002, is a consulting forensic Industrial Hygienist meeting the Colorado Revised Statutes §24-30-1402 definition of an "Industrial Hygienist." He has been a practicing Industrial Hygienist in the State of Colorado since 1987; and is the contract Industrial Hygienist for the National Center for Atmospheric Research.

Mr. Connell is a recognized authority in methlab operations and is a Certified Meth-Lab Safety Instructor through the Colorado Regional Community Policing Institute (Colorado Department of Public Safety, Division of Criminal Justice). Mr. Connell has provided over 260 hours of methlab training for officers of over 25 Colorado Police agencies, 20 Sheriff's Offices, federal agents and probation and parole officers throughout Colorado judicial districts. He has provided meth-lab lectures to prestigious organizations such as the County Sheriff's of Colorado, the American Industrial Hygiene Association, US Air Force, and the National Safety Council.

Mr. Connell is Colorado's only private consulting Industrial Hygienist 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 is a member of the Colorado Drug Investigators Association, the American Industrial Hygiene Association (where he serves on the Clandestine Drug Lab Work Group), the American Conference of Governmental Industrial Hygienists and the Occupational Hygiene Society of Ireland. Mr. Connell is the Industrial Hygiene Subject Matter Expert for the Department of Homeland Security, IAB (Health, Medical, and Responder Safety SubGroup), and he conducted the May 2010 Clandestine Drug Lab Professional Development Course for the AIHA.

He has received over 128 hours of highly specialized law-enforcement sensitive training in meth-labs and clan-labs (including manufacturing and identification of booby-traps commonly found at meth-labs) through the Iowa National Guard/Midwest Counterdrug Training Center and the Florida National Guard/Multijurisdictional Counterdrug Task Force, St. Petersburg College as well as through the U.S. Bureau of Justice Assistance (US Dept. of Justice). Additionally, he received extensive training in the Colorado Revised Statutes, including Title 18, Article 18 "Uniform Controlled Substances Act of 1992."

Mr. Connell is a current law enforcement officer in the State of Colorado, 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 condominia. Mr. Connell has conducted over 220 assessments in illegal drug labs, and collected over 1,900 samples during assessments (a 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, (State Board Of Health *Regulations Pertaining to the Cleanup of Methamphetamine Laboratories*) and was an original team member on two of the legislative working-groups which wrote the regulations for the State of Colorado. Mr. Connell 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 Colorado regulations. He has provided expert witness testimony in civil cases and 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 officials and Federal Government representatives with forensic services and arguments against fraudulent industrial hygienists and other unauthorized consultants performing invalid methlab assessments.

Mr. Connell, who is a committee member of the ASTM International Forensic Sciences Committee, was the sole sponsor of the draft ASTM E50 *Standard Practice for the Assessment of Contamination at Suspected Clandestine Drug Laboratories*, and he is a coauthor of a 2007 AIHA Publication on methlab assessment and remediation.

APPENDIX G COMPACT DIGITAL DISC