



FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.

**Preliminary Assessment
Resulting in a
Decision Statement
for an
Identified Illegal Drug Laboratory
at
10229 Oak St., Westminster, CO 80021**

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June 25, 2010

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EXECUTIVE SUMMARY

On Tuesday, June 1, 2010, personnel from Forensic Applications Consulting Technologies, Inc. (FACTs) performed a standard cursory evaluation for the presence of methamphetamine at 10229 Oak Street, Westminster, Colorado (the subject property).

FACTs issued a report of our cursory findings on June 8, 2010, which is included on the DVD with this discussion.

Samples for methamphetamine taken during the cursory evaluation conclusively demonstrated the presence of methamphetamine and, pursuant to CRS §25-18.5-101(2.7), the residence met the definition of an “illegal drug laboratory.”

Personnel from FACTs performed a State mandated Preliminary Assessment pursuant to Colorado Regulation 6 CCR 1014-43, Part 4. Based on the totality of the circumstances, FACTs makes the following observations:

- This document serves as both the Preliminary Assessment¹ and the Final Report of verification sampling resulting in a Decision Statement.²
- An illegal drug lab, as that term is defined in CRS §25-18.5-101 (2.7), existed at the subject property at the time of our June 1, 2010 evaluation.
- A Class 1 Public Nuisance, as defined in CRS §16-13-303(1) existed at the property at the time of our June 1, 2010 evaluation.
- Pursuant to 6 CCR 1014-3 (Mandatory Appendix A) FACTs hereby issues, by virtue of this document, a *Decision Statement*³ affirming that:
 - a. The initial hypothesis was rejected and the initial null hypothesis was accepted (sufficient evidence existed to confirm the presence of methamphetamine).

¹ The Colorado State Board Of Health Regulations Pertaining to the Cleanup of Methamphetamine Laboratories, 6-CCR 1014-3 (§4)

² Ibid. (§8)

³ 6-CCR 1014-3, Appendix A: If, based on the totality of the circumstances, the consultant finds that insufficient evidence exists to support the hypothesis that any given area is non-compliant, that area shall be deemed to be compliant with section 25-18.5-103 (2), C.R.S., and shall be released. 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.



- b. Upon the performance of the required *Preliminary Assessment*, the second hypothesis was sequentially tested, and no support was found; the null hypothesis was accepted, the property was found to be compliant.
- Pursuant to this *Decision Statement*, FACTs recommends to the Governing Body that the property be released for immediate occupancy: no harmful chemical residues were found at concentrations above the regulatory thresholds or that may present an immediate or long-term threat to human health and/or the environment.

BACKGROUND

On Tuesday, June 1, 2010, FACTs visited the subject property to perform a cursory industrial hygiene evaluation for the presence of indoor moulds and methamphetamine. The data quality objectives of the methamphetamine evaluation were not to determine representative concentrations, nor to characterize degree and/or extent of any extant contamination, but rather to merely provide a “Yes” or “No” answer to the question: “Is methamphetamine present at the property?”

During the June 1, 2010 evaluation, two five parted composite samples were collected from ten locations at the residence. The reportable limit during the evaluation was set at the lowest regulatory limit for methamphetamine in Colorado, namely 0.1 µg/100cm². One of the composite samples conclusively confirmed the presence of methamphetamine at the property at a concentration greater than the reportable limit. Based on the information thus gained, the property was “discovered” and on June 7, 2010, the Property Owner was given “notice” as those terms are found in CRS §25-18.5-103. As a result of the cursory evaluation, a Preliminary Assessment was required, and is presented here.

REGULATORY REQUIREMENTS

Federal Requirements

All work associated with this Preliminary Assessment was performed in a manner consistent with regulations promulgated by the Federal Occupational Safety and Health Administration (OSHA).

State Requirements

According to Colorado State Regulation 6-CCR 1014-3, following the “discovery” and “notification” of an illegal drug laboratory, as those terms are used in CRS §25-18.5-103, a “Preliminary Assessment” of the property must be conducted. The Preliminary Assessment must be conducted according to specified requirements⁴ by an authorized Industrial Hygienist as that term is defined in CRS §24-30-1402.

⁴ Section 4 of 6 CCR 1014-3



PRELIMINARY ASSESSMENT

Pursuant to State regulations, during the Preliminary Assessment, the initial hypothesis is made that the subject area is clean and data is collected to find support for this hypothesis. Any reliable data that disproves the hypothesis, including police records, visual clues of illegal production, any evidence of storage or use, or documentation of drug paraphernalia being present, *is considered conclusive*, and compels the Industrial Hygienist to accept the null hypothesis and declare the area non-compliant.⁵ The strength of evidence needed to reject the hypothesis is low, and is only that which would lead a reasonable person, trained in aspects of meth laboratories, to conclude the *presence* of methamphetamine, and/or its precursors as related to processing, drug use, storage, or waste products.

Sampling during a Preliminary Assessment is not required. However, if performed, it is conducted in the areas with the highest probability of containing the highest possible concentrations of contaminants. According to the State regulations:⁶

Identification and documentation of areas of contamination. This identification may be based on visual observation, law enforcement reports, proximity to chemical storage areas, waste disposal areas, or cooking areas, or based on professional judgment of the consultant; or the consultant may determine that assessment sampling is necessary to verify the presence or absence of contamination.

Pursuant to the regulations, information obtained during the Preliminary Assessment and those findings enter the public domain, and are not subject to confidentiality.⁷

If the Industrial Hygienist performing the assessment finds *evidence* of contamination, and no Decision Statement is issued, the property owner is required to either remediate the property or demolish the property.⁸

Normally, after the preliminary assessment is issued, the subject property is remediated, and an Industrial Hygienist must perform verification sampling to quantify the remaining contamination or verify that the remediation has reduced the contamination in the property to below statutory limits. If, based on the totality of the circumstances, the Industrial Hygienist fails to find sufficient evidence to support the second hypothesis that any given area is non-compliant, that area must be deemed to be compliant and a Decision Statement must be issued, releasing the property. If objective sampling data indicates contamination is below the cleanup levels, those data may be used as *prima facie* evidence that insufficient evidence exists to support the hypothesis that any given area is non-compliant.⁹ In this case, the Preliminary Assessment lead directly to the issuing of a Decision Statement without the need for any remediation.

⁵ Appendix A (mandatory) of 6 CCR 1014-3

⁶ Section 4.6 of 6 CCR 1014-3

⁷ Section 8.26 of 6 CCR 1014-3

⁸ Colorado Revised Statutes §25-18.5-103

⁹ No guarantee is ever made or implied that the property is completely free of contamination. Rather, a reasonable, standardized approach to decontamination is executed.



The visual indicators FACTs observed at the property (primarily yellow staining and unexplained burns) failed to carry sufficient weight to challenge the initial hypothesis to the extent that it could override the results of the samples gathered during the PA pursuant to regulatory requirements.

Elements of the Preliminary Assessment

Specific mandatory information must be presented as part of the complete documentation. This discussion, in its totality, contains the mandatory information for a Preliminary Assessment as follows:

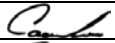
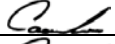
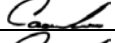
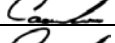
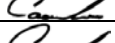


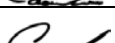
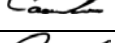
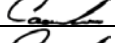
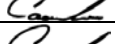

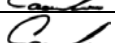




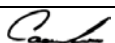

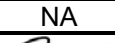
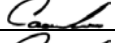
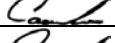
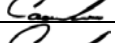

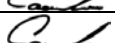
Mandatory Final Documents 6-CCR1014-3	DOCUMENTATION	Included
§8.1	Property description field form	
§8.2	Description of manufacturing methods and chemicals	
§8.3	Law Enforcement documentation review discussion	
§8.4	Description and Drawing of Storage area(s)	
§8.5	Description and Drawing of Waste area(s)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

Table 1
Inventory of Mandatory Information



Included with this discussion is a read-only DVD. The digital disc contains mandatory information and photographs required by State regulation for a Preliminary Assessment and Decision Statement. Also included is all pertinent documentation associated with the assessment. This Preliminary Assessment is not complete without the DVD and all associated support documents.

Review of Law Enforcement Documentation

As part of the Preliminary Assessment, FACTs is required by regulation¹⁰ to review available law enforcement documents pertinent to a subject property. During this project, there were potentially four different agencies who could reasonably be involved in controlled substance related activities at the property:

- North Metro Drug Task Force
- West Metro Drug Task Force
- Jefferson County Sheriff's Office
- Westminster Police Department

Each of the above agencies were contacted in writing for information regarding activities at the property. Each of the agencies indicated that they had no records of controlled substances or hazardous materials responses at the property. This information suggests that no other state or federal agency was likely to have any involvement at the property independent of those agencies with original jurisdiction.

None of our other sources were able to provide any additional information for the property. Therefore, based on the best information available, there are no records available pertinent to the objectives of this PA.

GOVERNING BODY

Based on the best information available, the agency listed below is the "Governing Body" as defined in CRS §25-18.5-101.

Mr. Craig Sanders
Environmental Protection Supervisor
Jefferson County Department of Health and Environment
1801 19th Street
Golden, CO 80401

FACTs will provide a copy of this report to the Governing Body on behalf of the Registered Property Owner pursuant to 6 CCR 1014-3 (§8.26).

¹⁰ 6 CCR 1014-3 (Section 4.2)



VISUAL INSPECTION OF THE PROPERTY

As part of our Preliminary Assessment, on June 15, 2010, personnel from FACTs performed a visual inspection of the subject property. Pursuant to regulatory requirements, the subject property was assigned into “functional spaces,” and an indicia inventory and assessment was performed for each functional space.

Upon our June 1, 2010 arrival and again upon our June 15, 2010 arrival, we found the property secured, unoccupied and virtually emptied of all chattels and furniture.

In the photograph below, we have presented the general layout of the structure and surrounding features.



Photograph 1
General Building Layout
(Subject property indicated by the white arrow)

Functional Space Summary

During a Preliminary Assessment, the Industrial Hygienist is required to divide the study area into “functional spaces” and evaluate the potential for contamination in each area. The idea is to segment a property into specific spaces which may present different potentials for contamination, based on the anticipated use, or function conducted in that area. Thus, functions of bedrooms and bathrooms may differ, kitchens and living rooms may be different, etc., and a building is divided into such areas based solely on professional judgment. A drawing depicting the Functional Spaces for this property is included in the body of this assessment and the spaces have been summarized in the table below:



Functional Space	Functional space
1	Attic
2	Downstairs recreation room
3	Garage
4	Upstairs hall bathroom
5	Kitchen
6	Living room, Dining room and Upstairs hallway
7	Master bathroom
8	Master bedroom
9	Upstairs northeast bedroom
10	Upstairs southeast bedroom
11	Crawlspace
12	Furnace

Table 2
Functional Space Summary

General Building Overview

The subject property is a 1985 partial slab-on-grade, partial crawlspace single family structure. The Jefferson County Assessor's Office lists the property as having 2,193 square feet of floor space; FACTs determined approximately 3,081 square feet of floor space including the crawlspace, and we have used this figure for the purposes of developing the sampling scheme.

The structure is apparently a timber-framed structure with a self contained forced air heating system. A gabled roof results in an attic that appears to be bound by firewalls.

Functional Space 1: Attic

The attic is the space delineated as the term is commonly known. The attic does not appear to be conducive to storage or occupancy. We did not observe any visual indicators in the attic. A discrete sample was collected from the top of the sewer relief stack in the attic. The sample did not contain methamphetamine at detectable levels.

Functional Space 2: Downstairs Recreation Room

This space is delineated by the exterior walls on the south side of the structure; the crawlspace and dining area to the north and the garage walls to the east.

This area contained nonconclusive visual indicators including yellow staining and signs of squalor.

A discreet sample was collected from the top of the curtain rail on the sliding glass doors on the west. The sample did not contain methamphetamine at detectable levels.

Functional Space 3: Garage

This space is delineated as the term is commonly understood. The garage contained minor and nonconclusive visual indicators. Reports of propane bottles with corroded



tops being stored in the garage were noted. A discreet sample was collected from the top of the light fixture. The sample did not contain methamphetamine at detectable levels.

Functional Space 4: Hall Bathroom

This is the common bathroom located in the upstairs hallway. The area contained several nonconclusive visual indicators including burnt areas, smoke damage, signs of squalor and signs of corrosion on metal surfaces. A discreet sample was collected from the top of the light fixture framing ledge. The sample did not contain methamphetamine at detectable levels.

Functional Space 5: Kitchen

This space is delineated as the term is commonly understood. The area has visual signs of extreme squalor (a visual indicator seen throughout this property). Yellow staining and heavy ghosting¹¹ is seen throughout the area. A discreet sample was collected from the top of the crown molding ledge. The sample did not contain methamphetamine at detectable levels.

Functional Space 6: Living Room, Dining Room and Upstairs Hallway

This space is delineated as the terms used to describe it are commonly understood. The area has visual signs of extreme squalor, yellow staining and heavy ghosting throughout the area. The hallway was included as a contiguous thermal by-pass. A discreet sample was collected from the top of the glass chandelier in the dining room. The sample did not contain methamphetamine at detectable levels.

Functional Space 7: Master Bathroom

This space is delineated as the term is commonly understood and included the segregated toilet area, the segregated shower and the segregated walk-in closet. Access to the attic is through the master bedroom closet. The space contains signs of extreme squalor, neglect, and unusually heavy yellow-brown staining. The heavy yellow-brown staining was more consistent with extreme cigarette smoke rather than iodine, or other common yellow reagents used in processing of methamphetamine or any of the intermediates.

A discreet sample was collected from the top of the ledge on the south side of the room which did not contain methamphetamine at a concentration above the analytical detection limit.

Functional Space 8: Master Bedroom

This space is delineated as the term is commonly understood. The space contains signs of extreme squalor, neglect, yellow staining and heavy ghosting.

¹¹ “Ghosting” is a surface deposition phenomenon wherein ultrafine airborne particles, usually consisting of reduced carbon, are deposited in visually spatial differential patterns due to thermophoretic properties.



The discreet sample collected from the top of the ledge on the east side of the room which did not contain methamphetamine at a concentration above the analytical detection limit.

Functional Space 9: Northeast Bedroom and Closet

This space is delineated by walls as the term is normally used. The room contained signs of extreme squalor, filth, and heavy ghosting. The ghosting appeared to be more consistent with extreme candle use rather than controlled substance activity. A discreet sample was collected from the central part of the south wall at a location of heavy ghosting. The sample did not contain methamphetamine at detectable levels.

Functional Space 10: Southeast Bedroom and Closet

This space is delineated by walls as the term is normally used. The room contained signs of extreme squalor, filth, heavy ghosting and violence. A discreet sample was collected from the top of the east wall at the south corner union with the ceiling (a location of pronounced ghosting). The sample did not contain methamphetamine at detectable levels.

Functional Space 11: Crawlpace

This space essentially follows the same footprint as the kitchen, living room and dining room directly above it. The crawlpace is conducive to storage and occupancy. The crawlpace houses the forcedair furnace, from the top of which a sample was collected.

The area also contained a nonconclusive visual indicator in the form of a bundle of long-stemmed matches which had been burned in the sump-pit in the far southeast corner of the crawlpace. The sample did not contain methamphetamine at detectable levels.

Functional Space 12: Furnace

Although arguably not a functional space *per se*, a discreet wipe sample was collected from an interior furnace duct at the return air grille in the northeast bedroom. The sample did not contain methamphetamine at detectable levels.

Although most of the commonly held beliefs regarding duct cleaning, and indoor air quality are not supportable,¹² and although not specifically required by regulation, we recommend that the furnace system be cleaned by a professional duct cleaning firm.

Exterior Grounds

Although arguably not a functional space, the exterior grounds were examined for signs of contamination migration.

The exterior, and in particular the backyard, was heavily overgrown with active vegetation. Arial photography suggested some stressed vegetation in the northern portion of the property, however, closer examination of the area failed to reveal any remarkable

¹² <http://www.forensic-applications.com/moulds/ducts.html>



findings. We did not observe any overt signs of contaminant migration or waste disposal.

An odor of putricine/cadaverine was observed in the back yard possible due to a rotting corpse from a dog or cat hidden among the heavily overgrown vegetation.

Contaminant Migration

FACTs did not observe any conditions that would indicate that contamination migration occurred exterior of the building.

Sample Collection

We collected samples from the subject property in an effort to support the initial hypothesis (the residence was compliant), and, if applicable, and in conjunction with the findings of the visual assessment and law enforcement document review, to support the second hypothesis as well (that the area was noncompliant). In other words, we simultaneously tested the two primary regulatory hypotheses.

Samples were submitted for analysis to Analytical Chemistry Inc. (ACI) in Tukwila, Washington. ACI is one of the laboratories identified in State regulation 6-CCR 1014-3 as being proficient in performing methamphetamine analysis.

To protect against the introduction of contaminants into the subject property, the Industrial Hygienist and his Technician donned fresh Tyvek[®] suits upon entry into the property. All equipment brought into the subject property was staged outside at the front door.

Wipe Samples

Wipe samples were collected in a manner consistent with State regulations for final verification sampling. The wipe sample medium was commercially available Johnson & Johnson[®] Brand pharmaceutical grade gauze (Lot Number 3369A). Each gauze material was assigned an in-house lot number (G1004) 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 (A0901) for QA/QC purposes and recorded on a log of results.

Consistent with State Regulations and good sampling theory, the location of the samples was based on professional judgment. In this case, it was FACTs' Industrial Hygienist's professional judgment that authoritative biased sampling would be appropriate.

As such, during this project, the Industrial Hygienist selected those areas which had the highest probability of exhibiting the highest concentrations of contamination. Based on our experience, state of the art information on indoor methamphetamine migration patterns and professional judgment, FACTs selected specific locations throughout the



structure in an attempt to represent the highest possible concentrations of methamphetamine.

Each sample area was then delineated with a measured outline, or in some cases, it was impossible to pre-measure the limits of the sample, and the sample was collected first and then the area was measured.

Due to the primary need for collection of samples from areas of highest contamination, the surfaces so selected are frequently convoluted and intricate surfaces. As such, the measured delineations are frequently the summation of several specific surface components.

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.

QA/QC Precautions

The sampling media were prepared in small batches in a clean environment (FACTs Corporate Offices). The sample media were inserted into individually identified disposable plastic centrifuge tubes with caps.

Field Blanks

For QA/QC purposes, and in accordance with state regulations, two field blanks were randomly selected from the numbered batch, randomly inserted in 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 were blanks and all samples were submitted blind. The history of the FACTs field blank media has demonstrated a media and solvent contamination level below the analytical detection limit for the method. None of the blanks for this project contained measurable masses of methamphetamine.

Field Duplicates

For the purposes of the data quality objectives associated with this Preliminary Assessment, no duplicates were required, and none were collected.

Cross Contamination

Prior to the collection of each specific sample area, the Industrial Hygienist donned fresh surgical gloves, to protect against the possibility of cross contamination.

Collection Rationale

The samples collected throughout the subject property comprised of “discreet” samples. Discreet samples are collected at a single isolated location. In the following table, the



“Decision Level” is that value below which the sample result would need to be to confirm compliance.

Sample Results

In the following table, the cursory samples are represented by the shaded entries.

Sample ID	Location	Area	Result	Decision Level	Decision Status
OM060110-01A	Living Room top of ledge	32	0.12	0.1	FAIL
OM060110-01B	Kitchen top of light				
OM060110-01C	Lower recreation room top of door bell housing				
OM060110-01D	Garage top of light fixture				
OM060110-01E	Furnace interior – return air grille in living room				
OM060110-02A	Upstairs northeast bedroom, east wall, north corner	32	0.09	0.10	PASS
OM060110-02B	Upstairs southeast bedroom, east wall, south corner				
OM060110-02C	Upstairs master bedroom, west wall at TV stand				
OM060110-02D	Upstairs hallway top of door bell housing				
OM060110-02E	Upstairs hall bathroom top of medicine chest				
OM061510-01	Dining room chandelier	725	<0.004	0.50	PASS
OM061510-02	Kitchen upper crown molding	523	<0.011	0.50	PASS
OM061510-03	Recreation Room Top of glass door curtain rail	597	<0.005	0.50	PASS
OM061510-04	Garage top of south west light fixture	661	<0.005	0.50	PASS
OM061510-05	Crawlspace top of furnace	523	<0.006	0.50	PASS
OM061510-06	Field Blank	NA	<0.030	0.03	PASS
OM061510-07	Hall bath light fixture enclosure	581	<0.005	0.50	PASS
OM061510-08	Master bedroom top of ledge	523	<0.006	0.50	PASS
OM061510-09	Field Blank	NA	<0.030	0.03	PASS
OM061510-10	Master bathroom top of central ledge	523	<0.006	0.50	PASS
OM061510-11	NE Bedroom S wall lower central area	523	<0.006	0.50	PASS
OM061510-12	SE Bedroom top of E Wall S End	516	<0.007	0.50	PASS
OM061510-13	Attic PVC sewer relief stack	581	<0.005	0.50	PASS
OM061510-14	Furnace interior return in NE bedroom	632	<0.006	0.50	PASS

Area is expressed in square centimeters

Result and Decision Level are expressed as $\mu\text{g}/100\text{cm}^2$ (Field blanks are reported as absolute mass)

The symbol “<” indicates that methamphetamine was not detected at the detection limit expressed.

BDL for the Field Blanks indicates “Below Detection Limit.”

Table 3
Summary of Sample Results

The shaded samples are those collected during the June 1, 2010 cursory evaluation.

Sample Locations

In the figures that follow, the sample locations from the Preliminary Assessment have been presented. The locations of the initial (cursory) samples are identified by an alpha character. The drawings are stylized and not to scale.



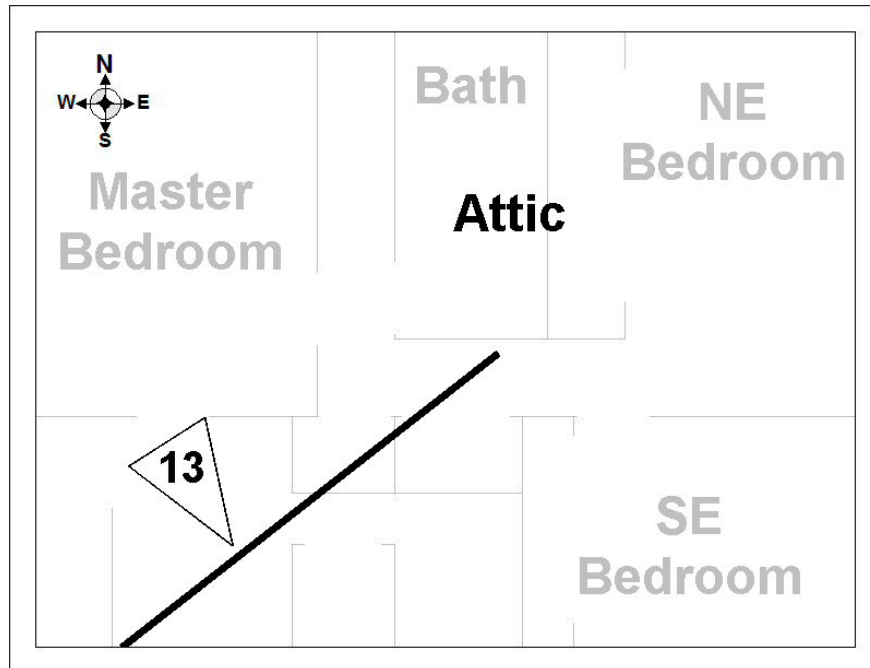


Figure 1
Attic Sample Location

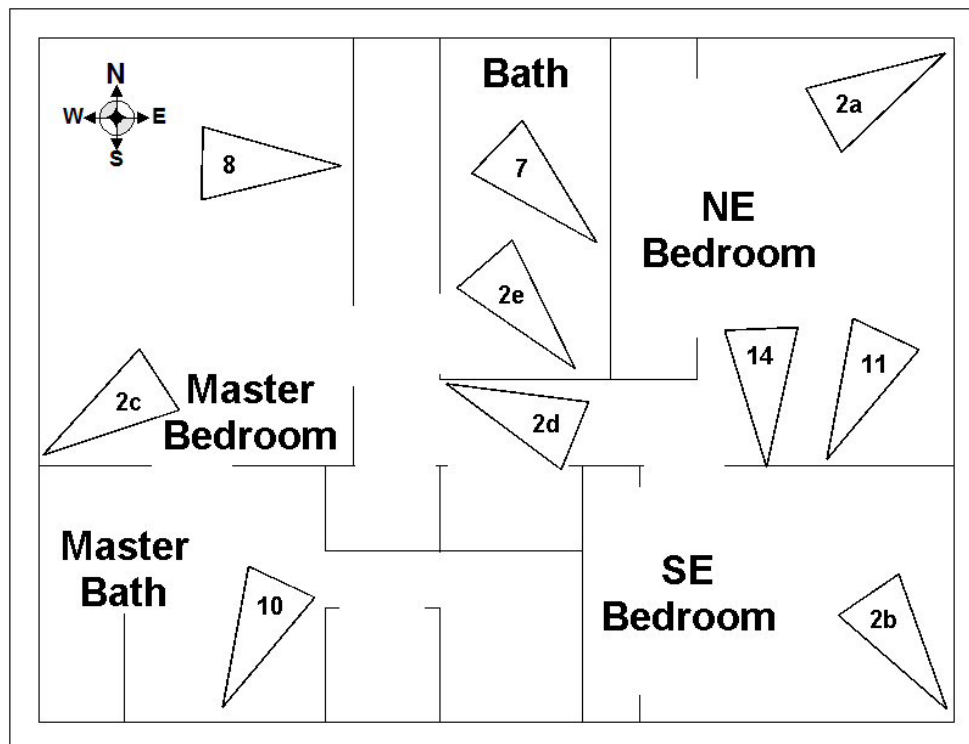


Figure 2
Second Floor Sampling Locations



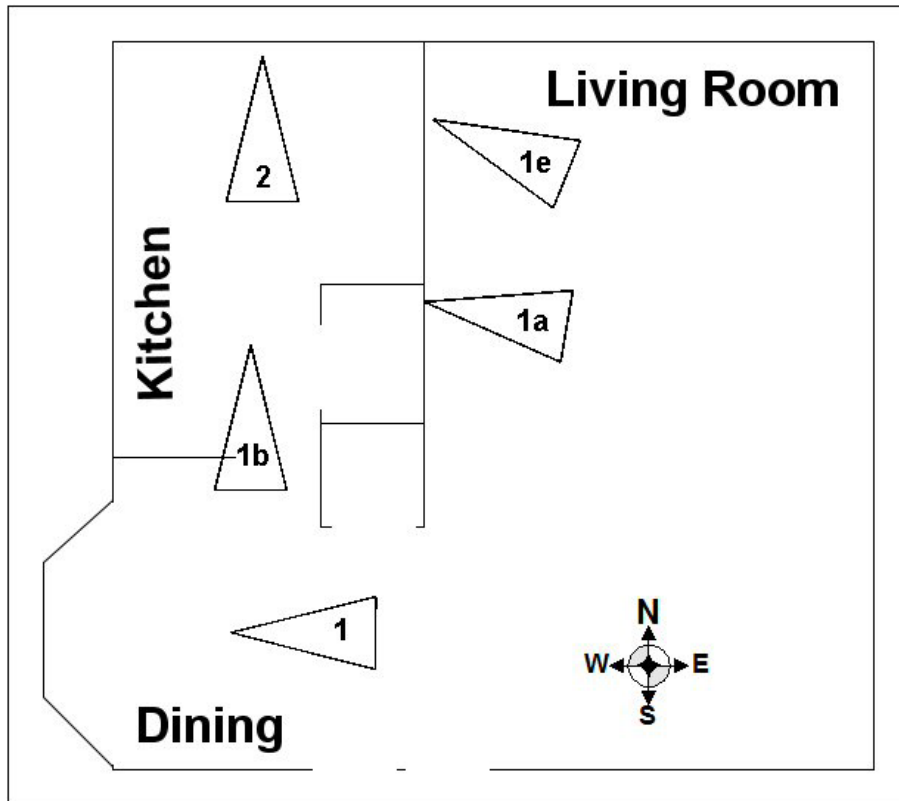


Figure 3
First Floor Sampling Locations

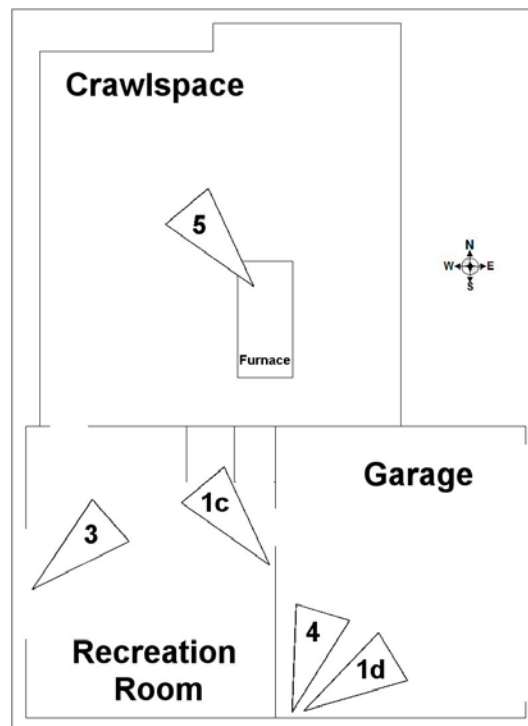


Figure 4
Lower Floor Sampling Locations



Quality Assurance/Quality Control

The following section pertains to the PA samples only and is required by regulation and is not intended to be understood by the casual reader. All abbreviations are standard laboratory use.

MDL was 0.004 µg; LOQ was 0.03 µg; MBX <MDL; LCS 0.1 µg (RPD <1%, recovery 100%); Matrix spike 0.020 µg (RPD 10%; recovery 90%); Matrix spike Dup 0.020 µg; (RPD <1%; recovery 100%); Surrogate recovery (all samples): High 117% (Samples 8 and 10), Low 92% (Sample 13); FACTs reagents: MeOH lot #A0901 <MDL for n=15; Gauze lot G1004 <MDL for n=2. The QA/QC indicate that some of the samples are outside of normal surrogate recovery tolerances (85-115%); nevertheless, the data met the data quality objectives.

CONCLUSIONS

Based on the totality of the circumstances, our subjective observations and objective data from sampling, and in strict adherence to State statutes and State regulations, FACTs concludes the following:

- An illegal drug lab, as that term is defined in CRS §25-18.5-101, existed at the subject property from before June 1, 2010.
- A Class 1 Public Nuisance, as defined in CRS §16-13-303(1) existed at the property from before June 1, 2010.
- Trace concentrations of methamphetamine were confirmed to be present at the property in isolated areas.
- The concentrations of methamphetamine in the subject property were not sufficiently elevated to be considered a “contaminant” as that term is defined in 6 CCR 1014-3 (§3).
- Final verification sampling indicates the property is compliant.
- FACTs hereby issues, by virtue of this document, a *Decision Statement* affirming that:
 - a. The initial hypothesis was rejected and the initial null hypothesis was accepted (sufficient evidence existed to confirm the presence of methamphetamine).
 - b. Upon the performance of the required *Preliminary Assessment* the second hypothesis was contemporaneously tested, and no support for the hypothesis was found; the null hypothesis was subsequently accepted (in the totality of the circumstances the property was found to be compliant).
- No harmful chemical residues were found at concentrations that may present an immediate or long-term threat to human health and/or the environment.



- Therefore, pursuant to this *Decision Statement*, the property is to be released for immediate occupancy without the need for any further action.

RECOMMENDATIONS

To avail of the civil liability immunity provided by CRS §25-18.5-103(2) and to ensure complete compliance with State regulations, this Preliminary Assessment and 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

FACTs will provide a copy of this report to the Governing Body on behalf of the Registered Owner pursuant to 6 CCR 1014-3 (§8.26).

Enclosures: One digital disc; Data package, and Appendices



APPENDIX A:
SUPPORTING DOCUMENTS



**FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.
CLANDESTINE METHAMPHETAMINE LABORATORY
ASSESSMENT FIELD FORMS®**

FACTs project name: Oak St.		Form # ML1
Date: June 15, 2010		
Reporting IH:	Caoimhin P. Connell, Forensic IH	

PROPERTY DESCRIPTION:

Physical address	10229 Oak St, Westminster CO 80021		
Legal description or VIN	Neighborhood: 1003 Walnut Grove, Westbrook, Countryside, Crownpoint. Subdivision 175200 - Countryside Filing #12A. Block 002, Lot 0001, Section 16, Township 2, Range 69, NW Quarter Section		
Registered Property Owner	The Rosebud Family Revocable Trust c/o Patricia Young 821 Pinehurst Court Louisville CO 80027-3286		
Number of structures	One		
Type of Structures (Each affected structure will need a "Functional Space" inventory)	1: Primary Residence	2,193	Square feet
	2: Crawl space	888	Square feet
	3: Total space	3,081	Square feet
Adjacent and/ or surrounding properties	1: North – Green belt		
	2: South – Single family residential structure		
	3: East – Street front		
	4: West – Single family residence		
General Property Observations	Signs of extreme squalor		
Presumed Production Method	Smoking is presumed		

PLUMBING INSPECTION AND INVENTORY

FACTs project name: Oak St.	Form # ML2
Date: June 15, 2010	
Reporting IH:	Caoimhin P. Connell, Forensic IH

Functional Space	Room	Fixture	Indicia?	Comments
4	Bathroom # 1	Shower/Bath	Y	Staining (squalor), corrosion
4	Bathroom # 1	Sink 1		
4	Bathroom # 1	Toilet	Y	Staining (squalor)
7	Bathroom # 2	Shower		Staining (squalor)
7	Bathroom # 2	Sink 1 East	Y	Debris, corrosion
7	Bathroom # 2	Sink 1 West	Y	Staining (squalor)
7	Bathroom # 2	Toilet	Y	Staining (squalor)
5	Kitchen	Dishwasher	Y	Corrosion, white powder
5	Kitchen	Sink #1	Y	Corrosion, yellow/red staining
5	Kitchen	Sink #2		Corrosion
6	Laundry Room	Slop sink	NA	
6	Laundry Room	Washing machine	NA	

VENTILATION INSPECTION AND INVENTORY

Item	Y/N	Indicia ?	Sampled ?	Comments
Isolated AHU?	Y	Y	Y	See Body of Report
Common air intake?	N			
Common bathroom exhausts?	N			
Forced air system?	Y			
Steam heat?	N			
Common ducts to other properties?	N			
Passive plena to other properties?	N			
Active returns to other properties?	N			
Passive wall grilles to other properties?	N			
Industrial ventilation?	N			
Residential ventilation?	Y			
Pressurized structure?	N			



FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.

FUNCTIONAL SPACE INVENTORY

FACTs project name: Oak St.		Form # ML3
Date: June 15, 2010		
Reporting IH:	Caoimhin P. Connell, Forensic IH	

Structure Number	Functional Space Number	Indicia (Y/N)	Describe the functional space (See drawings for delineating structural features)
1	1	N	Attic
1	2	Y	Downstairs recreation room
1	3	Y	Garage
1	4	Y	Hall bathroom
1	5	Y	Kitchen
1	6	Y	Living Room, Dining Room
1	7	Y	Master bathroom
1	8	Y	Master bedroom
1	9	Y	NE Bedroom
1	10	Y	SE Bedroom
1	11	Y	Crawlspace
1	12	Y	Furnace



LAW ENFORCEMENT DOCUMENTATION

FACTs project name: Oak St.		Form # ML4
Date: June 15, 2010		
Reporting IH:	Caoimhin P. Connell, Forensic IH	

Inventory of Reviewed Documents	1: North Metro Task Force – No Records 2: West Metro Task Force – No Records 3: Jefferson Co. Sheriff's Office – No Records 4: Westminster Police Department – No Records
Described method(s) of production	Presumed Smoking
Chemicals identified by the LEA as being present	None
Cooking areas identified	None
Chemical storage areas identified	None
LE Observation on areas of contamination or waste disposal	None





FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.

June 10, 2010

Lt. William Blackburn
West Metro Drug Task Force
PO Box 16053
Golden CO, 80402

Via Fax: 303-423-2310

Dear Lt. Blackburn:

Forensic Applications, Inc. has been contracted to perform a "Preliminary Assessment" an illegal clandestine drug lab pursuant to Colorado Board Of Health Regulations 6-CCR-1014-3, and CRS §25-18.5-101 *et seq.* The property is located in the City of Westminster at:

10229 Oak Street, Westminster CO 80226

As you are aware, as part of that assessment, the Industrial Hygienist is required by regulation (6-CCR-1014-3 (§4.2)) to review available Law Enforcement documents associated with the property. Generally, we initially do not require copies of any documents; and, if preferable, we can visit the records offices and review available information there.

We would like to review any narratives regarding controlled substances or hazardous materials responses, or speak with any Law Enforcement personnel who may be familiar with the property. We are only interested in issues involving controlled substances or hazardous materials responses in the last five years. If no such records are available please let us know and we will merely make that notation in our report to the Jefferson County Department of Health.

We will be performing the on-site assessment on June 15, 2010, and will need to review any available documents before then. We apologize for the short notice, however, we generally do not have any control over the timeframes involved.

Forensic Applications takes extreme caution to protect all Law Enforcement Sensitive information. When requested by the Law Enforcement Agency, we do NOT reveal names, document identities, or include any information considered sensitive by an investigating agency. We have developed a close working relationship with WMTF and JCSO in the past, and we value the close working relationship you have extended on other properties. I have included my SOQ. Please feel free to call me directly with any comments or questions.

Pursuant to CRS §24-72-305.5, I affirm that upon receipt of requested records of official actions and/or criminal justice records from the WMTF, such records shall not be used for the direct solicitation of business for pecuniary gain.

Sincerely,

Caoimhín P. Connell
Forensic Industrial Hygienist

Dear Caoimhín P. Connell,

Re: WMTF Oak St.

The 3 page fax you sent through eFax.com to 13034232310 was successfully transmitted at 2010-06-10 13:08:56 (GMT).

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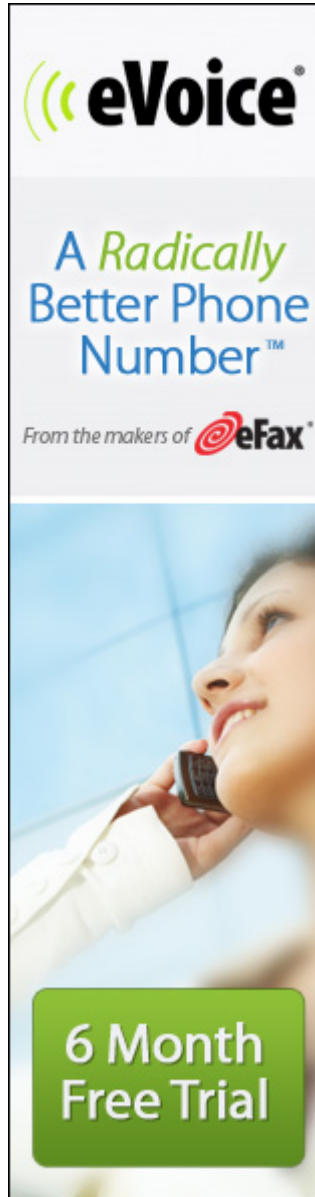
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FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.

June 14, 2010

Angie
North Metro Task Force

Via Fax: 303-298-9047

Dear Angie:

Forensic Applications, Inc. has been contracted to perform a "Preliminary Assessment" an illegal clandestine drug lab pursuant to Colorado Board Of Health Regulations 6-CCR-1014-3, and CRS §25-18.5-101 *et seq.* The property is located in the City of Westminster at:

10229 Oak Street, Westminster CO 80226

As you are aware, as part of that assessment, the Industrial Hygienist is required by regulation (6-CCR-1014-3 (§4.2)) to review available Law Enforcement documents associated with the property. Generally, we initially do not require copies of any documents; and, if preferable, we can visit your offices and review available information there.

We would like to review any narratives regarding controlled substances or hazardous materials responses, or speak with any Law Enforcement personnel who may be familiar with the property. We are only interested in issues involving controlled substances or hazardous materials responses in the last five years. If no such records are available please let us know and we will merely make that notation in our report to the Jefferson County Department of Health.

We will be performing the on-site assessment on June 15, 2010, and will need to review any available documents before then. We apologize for the short notice, however, we generally do not have any control over the timeframes involved – we initially contacted WMDTF erroneously believing the property was in their area.

Forensic Applications takes extreme caution to protect all Law Enforcement Sensitive information. When requested by the Law Enforcement Agency, we do NOT reveal names, document identities, or include any information considered sensitive by an investigating agency. We have developed a close working relationship with NMTF in the past, and we value the close working relationship you have extended on other properties. I have included my SOQ. Please feel free to call me directly with any comments or questions.

Pursuant to CRS §24-72-305.5, I affirm that upon receipt of requested records of official actions and/or criminal justice records from the NMTF, such records shall not be used for the direct solicitation of business for pecuniary gain.

Sincerely,

Caoimhín P. Connell
Forensic Industrial Hygienist



Dear Caoimhín P. Connell,

Re: Angie: NMTF

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FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.

June 10, 2010

Jefferson County Sheriff's Office
Records Division
200 Jefferson County Parkway
Golden, CO 80401

Via Fax: 303-271-5552

Dear Records:

Forensic Applications, Inc. has been contracted to perform a "Preliminary Assessment" an illegal clandestine drug lab pursuant to Colorado Board Of Health Regulations 6-CCR-1014-3, and CRS §25-18.5-101 *et seq.* The property is located in the City of Westminster at:

10229 Oak Street, Westminster CO 80021

As you are aware, as part of that assessment, the Industrial Hygienist is required by regulation (6-CCR-1014-3 (§4.2)) to review available Law Enforcement documents associated with the property. Generally, we initially do not require copies of any documents; and, if preferable, we can visit the records offices and review available information there. FACTs will pay any fees charged for searching, obtaining and copying material.

We would like to review any narratives regarding controlled substances or hazardous materials responses, or speak with any Law Enforcement personnel who may be familiar with the property. We are only interested in issues involving controlled substances or hazardous materials responses in the last five years. If no such records are available please let us know and we will merely make that notation in our report to the Jefferson County Department of Health.

We will be performing the on-site assessment on approximately June 15, 2010, and will need to review any available documents before then. We apologize for the short notice, however, we generally do not have any control over the timeframes involved.

Forensic Applications takes extreme caution to protect all Law Enforcement Sensitive information. When requested by the Law Enforcement Agency, we do NOT reveal names, document identities, or include any information considered sensitive by an investigating agency. We have developed a close working relationship with JCSO in the past, and we value the close working relationship you have extended on other properties. I have included my SOQ. Please feel free to call me directly with any comments or questions.

Pursuant to CRS §24-72-305.5, I affirm that upon receipt of requested records of official actions and/or criminal justice records from the JCSO, such records shall not be used for the direct solicitation of business for pecuniary gain.

Sincerely,

Caoimhín P. Connell
Forensic Industrial Hygienist

Dear Caoimhín P. Connell,

Re: JCSO Oak

The 3 page fax you sent through eFax.com to 13032715552 was successfully transmitted at 2010-06-10 13:04:04 (GMT).

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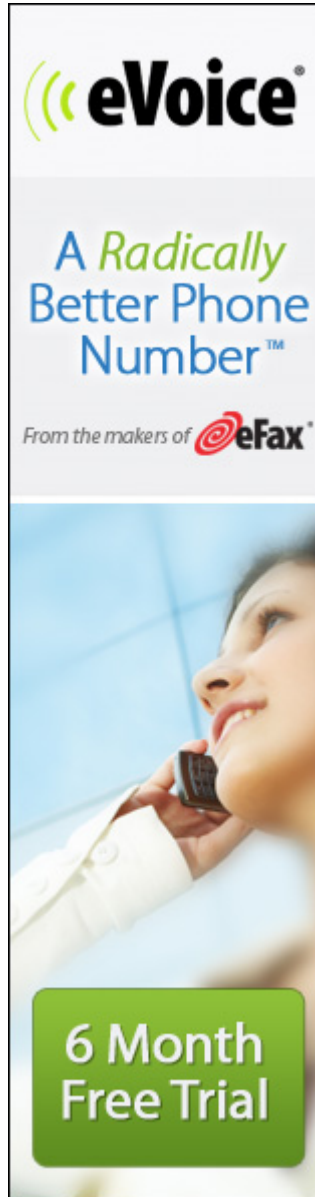
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FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.

June 10, 2010

Westminster Police Department
Attn: Records Section
9110 Yates Street
Westminster, CO 80031

Via Fax: 303-706-3908

Dear Records:

Forensic Applications, Inc. has been contracted to perform a "Preliminary Assessment" an illegal clandestine drug lab pursuant to Colorado Board Of Health Regulations 6-CCR-1014-3, and CRS §25-18.5-101 *et seq.* The property is located in the City of Westminster at:

10229 Oak Street, Westminster CO 80021

As you are aware, as part of that assessment, the Industrial Hygienist is required by regulation (6-CCR-1014-3 (§4.2)) to review available Law Enforcement documents associated with the property. Generally, we initially do not require copies of any documents; and, if preferable, we can visit the records offices and review available information there. FACTs will pay any fees charged for searching, obtaining and copying material.

We would like to review any narratives regarding controlled substances or hazardous materials responses, or speak with any Law Enforcement personnel who may be familiar with the property. We are only interested in issues involving controlled substances or hazardous materials responses in the last five years. If no such records are available please let us know and we will merely make that notation in our report to the Jefferson County Department of Health.

We will be performing the on-site assessment on approximately June 15, 2010, and will need to review any available documents before then. We apologize for the short notice, however, we generally do not have any control over the timeframes involved.

Forensic Applications takes extreme caution to protect all Law Enforcement Sensitive information. When requested by the Law Enforcement Agency, we do NOT reveal names, document identities, or include any information considered sensitive by an investigating agency. We have developed a close working relationship with Law Enforcement agencies across the State and we value that reputation. I have included my SOQ. Please feel free to call me directly with any comments or questions.

Pursuant to CRS §24-72-305.5, I affirm that upon receipt of requested records of official actions and/or criminal justice records from the Westminster Police Department, such records shall not be used for the direct solicitation of business for pecuniary gain.

Sincerely,

Caoimhín P. Connell
Forensic Industrial Hygienist

Dear Caoimhín P. Connell,

Re: Westminster PD

The 3 page fax you sent through eFax.com to 13037063908 was successfully transmitted at 2010-06-10 13:00:03 (GMT).

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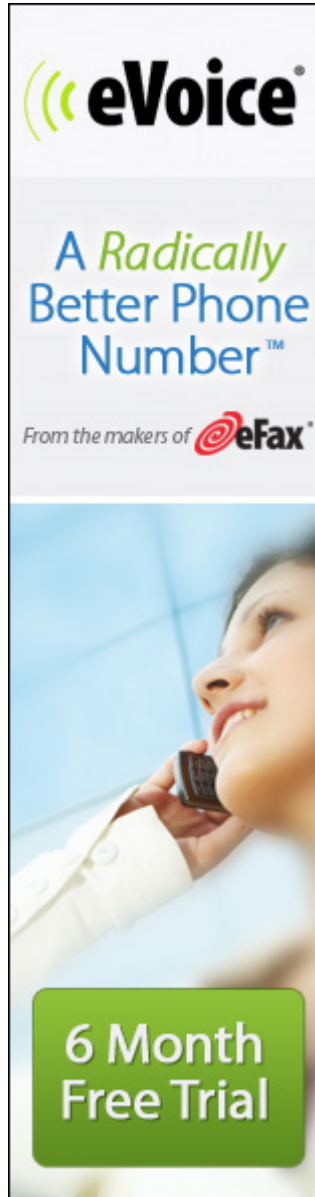
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FIELD OBSERVATIONS

FACTs project name: Oak St.		Form # ML5
Date: June 15, 2010		
Reporting IH:	Caoimhin P. Connell, Forensic IH	

Structure: Primary Residence

Indicator	Functional Space	Indicator	Functional Space
(Pseudo)ephedrine	No Comment	Lithium	No Comment
Acids	No Comment	Marijuana	No Comment
Aerosol cans	No Comment	Match components	No Comment
Alcohols (MeOH, EtOH)	No Comment	Mercury	No Comment
Ammonia	No Comment	Methamphetamine	2,3,5,6,12
Ammunition	No Comment	Modified coolers	No Comment
Artistic expressions	3	Modified electrical	No Comment
Bases	No Comment	Modified structural	2
Basters/Pipettes	No Comment	Modified ventilation	No Comment
Batteries	No Comment	Needles/Syringes	No Comment
Bi-phasic wastes	No Comment	OTC Containers	No Comment
Booby traps	No Comment	OTC drugs	No Comment
Bullet holes	No Comment	pH papers/indicators	No Comment
Burn marks	4,5,8,11	Phenyl-2-propanone	No Comment
Chemical storage	3(1),11(1)	Pornography, Sex toys	No Comment
Colored wastes	No Comment	Prescription drugs	No Comment
Corrosion on surfaces	4,5	Presence of cats	No Comment
Delaminating paint	No Comment	Red P	No Comment
Drug paraphernalia	No Comment	Red Staining	No Comment
Electrical modifications	No Comment	Salt or Salters	No Comment
Faeces	No Comment	Security devices	No Comment
Filters	No Comment	Signs of violence	10
Forced entry marks	2	Smoke detectors disabled	No Comment
Gang markings	No Comment	Solvents (organic)	11(1)
Gas cylinders	No Comment	Squalor	1,2,3,4,5,6,7,8,9,10,11
Gerry cans	3(1)	Staining on floors	2,6,8,7
Glassware	No Comment	Staining on walls or ceiling	1,2,3,4,5,6,7,8,9,10,11
Graffiti	No Comment	Stash holes	8,
Heating mantle	No Comment	Structural damage	6,8
Heet or similar	No Comment	Tubing	No Comment
Hydrogen peroxide	No Comment	Urine containers	No Comment
Iodine	No Comment	Weapons	No Comment
Kitty litter	No Comment	Window block	No Comment
Lead	No Comment	Yellow staining	6,8,7,9

① Present but not as indicia

② Copious or unusual quantities

③ Present in normal household expectations

④ Modified in manner consistent with clanlab use

**FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.**

FACTs project name: Oak St.		Form # ML6
Date: June 15, 2010		
Reporting IH:	Caoimhín P. Connell, Forensic IH	

None observed

Describe the area: _____



INDIVIDUAL SEWAGE DISPOSAL SYSTEM FIELD FORM

FACTs project name: Oak St.	Form # ML7
Date: June 15, 2010	
Reporting IH:	Caoimhin P. Connell, Forensic IH

	Yes	No	N/C
Does the property have an ISDS		X	
Is there unusual staining around internal drains	X		
Are solvent odors present from the internal drains		X	
Is there evidence of wastes being disposed down internal drains		X	
Are solvent odors present from the external sewer drain stacks			X
Was the septic tank lid(s) accessible	Not Applicable		
Was the leach field line accessible			
Was the septic tank <u>or</u> leach field lines opened			
Are solvent odors present from the leach field lines (if "yes" see below)			
Are solvent odors present from the septic tank (if "yes" see below)			
Is "slick" present in the septic tank			
Are biphasic (aqueous-organic) layers present in the septic tank			
Was pH measured in the septic tank (pH =7 to 8)			
Were organic vapors measured in the septic tank (if "yes" see below)			
Is sampling of the ISDS warranted			
Were calawasi/drum thief samples collected from the septic tank			

*NC = Not checked

Qualitative Organic Vapor Monitoring

Instrument Type	Make and Model
Hydrocarbon detector	EnMet Target Series, MOS detector

Location	MOS*	PID*	FID*
Sinks	BDL		

*Units of measurement are in parts per million equivalents compared to the calibration vapor. Detection limit 1 ppm

Notes



FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.

PRE-REMEDIATION PHOTOGRAPH LOG SHEET

FACTs project name: Oak St.		Form # ML8
Date: June 15, 2010		
Reporting IH:	Caoimhin P. Connell, Forensic IH	

Name ^	Date taken	Name ^	Date taken
Attic	6/15/2010 12:53	DS Rec Room (2)	6/15/2010 11:13
Attic (2)	6/15/2010 12:53	DS Rec Room (3)	6/15/2010 11:14
Attic (3)	6/15/2010 12:53	DS Rec Room (4)	6/15/2010 11:14
Attic (4)	6/15/2010 12:53	DS Rec Room (5)	6/15/2010 11:14
Attic (5)	6/15/2010 12:54	DS Rec Room (6)	6/15/2010 12:15
Attic (7)	6/15/2010 12:55	DS Rec Room (7)	6/15/2010 12:16
Attic (8)	6/15/2010 12:55	DS Rec Room (8)	6/15/2010 12:17
Attic (9)	6/15/2010 12:55	DS Rec Room (9)	6/15/2010 12:17
Attic (10)	6/15/2010 13:00	Exterior	6/15/2010 11:09
Bedroom Hall	6/15/2010 11:14	Exterior (2)	6/15/2010 11:10
Bedroom Hall (2)	6/15/2010 11:14	Exterior (3)	6/15/2010 11:10
Bedroom Hall (3)	6/15/2010 11:17	Exterior (4)	6/15/2010 11:10
Bedroom Hall (4)	6/15/2010 11:17	Exterior (5)	6/15/2010 11:10
Bedroom Hall (5)	6/15/2010 11:17	Exterior (6)	6/21/2010 18:10
Bedroom Hall (6)	6/15/2010 11:17	Exterior (7)	6/21/2010 18:11
Crawlspace	6/15/2010 12:27	Exterior (8)	6/21/2010 18:11
Crawlspace (2)	6/15/2010 12:27	Exterior (9)	6/21/2010 18:10
Crawlspace (3)	6/15/2010 12:27	Exterior (10)	6/21/2010 18:10
Crawlspace (4)	6/15/2010 12:34	Exterior (11)	6/21/2010 18:10
Dining Room	6/15/2010 11:12	Exterior (12)	6/21/2010 18:09
Dining Room (2)	6/15/2010 11:14	Exterior (13)	6/21/2010 18:09
Dining Room (3)	6/15/2010 11:59	Exterior (14)	6/21/2010 18:08
Dining Room (4)	6/15/2010 11:59	Exterior (15)	6/21/2010 18:08
Dining room (5)	6/15/2010 11:11	Exterior (16)	6/21/2010 18:08
DS Rec Room	6/15/2010 11:13	Exterior (17)	6/21/2010 18:08



FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.

PRE-REMEDIATION PHOTOGRAPH LOG SHEET

FACTs project name: Oak St.		Form # ML8
Date: June 15, 2010		
Reporting IH:	Caoimhin P. Connell, Forensic IH	

Name ^	Date taken	Name ^	Date taken
Exterior (18)	6/21/2010 18:08	Hall Bath	6/15/2010 11:15
Exterior (19)	6/21/2010 18:08	Hall Bath (2)	6/15/2010 11:15
Exterior (20)	6/21/2010 18:08	Hall Bath (3)	6/15/2010 11:15
Exterior (21)	6/21/2010 18:08	Hall Bath (4)	6/15/2010 11:15
Exterior (22)	6/21/2010 18:08	Hall Bath (5)	6/15/2010 11:19
Exterior (23)	6/21/2010 18:08	Hall Bath (6)	6/15/2010 11:19
Exterior (24)	6/21/2010 18:07	Hall Bath (7)	6/15/2010 13:02
Exterior (25)	6/21/2010 18:06	Kitchen	6/15/2010 11:12
Exterior (26)	6/21/2010 18:06	Kitchen (2)	6/15/2010 11:13
Exterior (27)	6/21/2010 18:08	Kitchen (3)	6/15/2010 11:13
Exterior (28)	6/21/2010 18:07	Kitchen (4)	6/15/2010 11:13
Exterior (29)	6/21/2010 18:06	Kitchen (5)	6/15/2010 11:13
Exterior (30)	6/21/2010 18:06	Kitchen (6)	6/15/2010 12:03
Exterior (31)	6/21/2010 18:06	Kitchen (7)	6/15/2010 12:06
Exterior (32)	6/21/2010 18:06	Kitchen (8)	6/15/2010 12:07
Exterior (33)	6/21/2010 18:06	Kitchen (9)	6/15/2010 12:07
Exterior (34)	6/21/2010 18:09	Kitchen (10)	6/15/2010 13:28
Garage	6/15/2010 11:14	Kitchen (11)	6/15/2010 13:28
Garage (2)	6/15/2010 11:14	Living Room	6/15/2010 11:12
Garage (3)	6/15/2010 12:37	Living Room (2)	6/15/2010 11:12
Garage (4)	6/15/2010 12:37	Living room (3)	6/15/2010 11:17
Garage (5)	6/15/2010 12:37	Living room (4)	6/15/2010 11:11
Garage (6)	6/15/2010 12:38	Living room (5)	6/15/2010 11:11
Garage (7)	6/15/2010 12:38	Living room (6)	6/15/2010 11:11
Garage (8)	6/15/2010 12:38	Living room (7)	6/15/2010 11:11



FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.

PRE-REMEDIATION PHOTOGRAPH LOG SHEET

FACTs project name: Oak St.		Form # ML8
Date: June 15, 2010		
Reporting IH:	Caoimhín P. Connell, Forensic IH	

Name ^	Date taken	Name ^	Date taken
Living room (8)	6/15/2010 11:11	NE Bedroom (4)	6/15/2010 11:18
Living room (9)	6/15/2010 11:11	NE Bedroom (5)	6/15/2010 11:18
Living room (10)	6/15/2010 11:12	NE Bedroom (6)	6/15/2010 11:18
Living room (11)	6/15/2010 11:12	NE Bedroom (7)	6/15/2010 11:18
Master Bath	6/15/2010 11:16	NE Bedroom (8)	6/15/2010 11:18
Master Bath (2)	6/15/2010 11:16	NE Bedroom (9)	6/15/2010 11:18
Master Bath (3)	6/15/2010 11:16	NE Bedroom (10)	6/15/2010 13:28
Master Bath (4)	6/15/2010 11:17	Sample 1 (2)	6/15/2010 12:00
Master Bath (5)	6/15/2010 11:17	Sample 1 (3)	6/15/2010 12:00
Master Bath (6)	6/15/2010 11:17	Sample 1 (4)	6/15/2010 12:00
Master bath (7)	6/15/2010 11:16	Sample 1	6/15/2010 12:00
Master Bedrm	6/15/2010 11:15	Sample 2 (2)	6/15/2010 12:07
Master Bedrm (2)	6/15/2010 11:15	Sample 2 (3)	6/15/2010 12:08
Master Bedrm (3)	6/15/2010 11:15	Sample 2 (4)	6/15/2010 12:09
Master Bedrm (4)	6/15/2010 11:15	Sample 2 (5)	6/15/2010 12:09
Master Bedrm (5)	6/15/2010 11:16	Sample 2 (6)	6/15/2010 12:09
Master Bedrm (6)	6/15/2010 11:16	Sample 2 (7)	6/15/2010 12:09
Master Bedrm (7)	6/15/2010 11:16	Sample 2	6/15/2010 12:07
Master Bedrm (8)	6/15/2010 11:16	Sample 3 (2)	6/15/2010 12:19
Master Closet	6/15/2010 11:16	Sample 3 (3)	6/15/2010 12:19
Master Closet (2)	6/15/2010 11:17	Sample 3 (4)	6/15/2010 12:20
Master Closet (3)	6/15/2010 11:17	Sample 3 (5)	6/15/2010 12:20
NE Bedroom	6/15/2010 11:18	Sample 3	6/15/2010 12:19
NE Bedroom (2)	6/15/2010 11:18	Sample 4 (2)	6/15/2010 12:36
NE Bedroom (3)	6/15/2010 11:18	Sample 4 (3)	6/15/2010 12:37



FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.

PRE-REMEDIATION PHOTOGRAPH LOG SHEET

FACTs project name: Oak St.		Form # ML8
Date: June 15, 2010		
Reporting IH:	Caoimhin P. Connell, Forensic IH	

Name ^	Date taken	Name ^	Date taken
Sample 4 (4)	6/15/2010 12:38	Sample 12 (2)	6/15/2010 13:12
Sample 4	6/15/2010 12:36	Sample 12	6/15/2010 13:12
Sample 5	6/15/2010 12:34	Sample 13	6/15/2010 12:54
Sample 7 (2)	6/15/2010 13:02	Sample 14 (2)	6/15/2010 13:21
Sample 7 (3)	6/15/2010 13:03	Sample 14 (3)	6/15/2010 13:22
Sample 7 (4)	6/15/2010 13:03	Sample 14 (4)	6/15/2010 13:22
Sample 7 (5)	6/15/2010 13:03	Sample 14 (5)	6/15/2010 13:23
Sample 7 (6)	6/15/2010 13:03	Sample 14 (6)	6/15/2010 13:23
Sample 7 (7)	6/15/2010 13:03	Sample 14	6/15/2010 13:20
Sample 7 (8)	6/15/2010 13:03	Samples	6/15/2010 12:00
Sample 7 (9)	6/15/2010 13:03	Samples (2)	6/15/2010 12:00
Sample 7	6/15/2010 13:01	Samples (3)	6/15/2010 13:29
Sample 8 (2)	6/15/2010 12:45	SE Bedroom	6/15/2010 11:17
Sample 8 (3)	6/15/2010 12:45	SE Bedroom (2)	6/15/2010 11:18
Sample 8	6/15/2010 12:45	SE Bedroom (3)	6/15/2010 11:18
Sample 10 (2)	6/15/2010 12:48	SE Bedroom (4)	6/15/2010 11:18
Sample 10 (3)	6/15/2010 12:48	SE Bedroom (5)	6/15/2010 11:18
Sample 10 (4)	6/15/2010 12:48	SE Bedroom (6)	6/15/2010 11:18
Sample 10	6/15/2010 12:48	SE Bedroom (7)	6/15/2010 11:18
Sample 11 (2)	6/15/2010 13:08	SE Bedroom (8)	6/15/2010 13:13
Sample 11 (3)	6/15/2010 13:08	SE Bedroom (9)	6/15/2010 13:13
Sample 11	6/15/2010 13:08	SE Bedroom (10)	6/15/2010 13:13
Sample 12 (2)	6/15/2010 13:12	Surgies	6/15/2010 13:28
Sample 12	6/15/2010 13:12	Video	
Sample 13	6/15/2010 12:54	Video.THM	



FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.

FACTs project name: Oak St.

Form # ML10

Date: June 15, 2010

Reporting IH:

Caoimhín P. Connell, Forensic IH

None observed

Each grid equals approximately _____ (Approximate lay-out; Not to scale)

Describe the area:



FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.

FACTs project name: Oak St.

Date: June 15, 2010

Reporting IH:

See body of report for drawings





Describe the area: _____



CERTIFICATION, VARIATIONS AND SIGNATURE SHEET

FACTs project name: Oak St.	Form # ML14
Date: June 15, 2010	
Reporting IH:	Caoimhín P. Connell, Forensic 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.	
I do hereby certify that the property has been decontaminated in accordance with the procedures set forth in 6 CCR 1014-3, § 5.	XXXXXXXXXXXXXXXXXXXX
I do hereby certify that I conducted post-decontamination clearance sampling in accordance with 6 CCR 1014-3, §6.	
I do hereby certify that the cleanup standards established by 6 CCR 1014-3, § 7 have been met as evidenced by testing I conducted.	
I do hereby certify that the analytical results reported here are faithfully reproduced.	

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: June 25, 2010





**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:	Oak Street	Form # ML15
Date June 25, 2010		
Reporting IH:	Caoimhín P. Connell, Forensic IH	

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

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 200 hours of methlab training for officers of over 25 Colorado Police agencies, 20 Sheriff's Offices, federal agents, and probation and parole officers from the 2nd, 7th and 9th 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, 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, and the Occupational Hygiene Society of Ireland. Mr. Connell is an Subject Matter Expert on 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 American Industrial Hygiene Association.

He has received over 120 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 also 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 condominiums. Mr. Connell has conducted over 170 assessments in illegal drug labs, and collected over 1,400 samples during assessments (a detailed list of 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 private consumers, state officials and Federal Government representatives with forensic 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.

FINAL DOCUMENTATION CHECKLIST

FACTs project name: Oak St.		Form # ML16
Date: June 15, 2010		
Reporting IH:	Caoimhin P. Connell, Forensic IH	

Mandatory Final Documents 6-CCR 1014-3	DOCUMENTATION	Included
§8.1	Property description field form	<i>Carl</i>
§8.2	Description of manufacturing methods and chemicals	<i>Carl</i>
§8.3	Law Enforcement documentation review discussion	<i>Carl</i>
§8.4	Description and Drawing of Storage area(s)	<i>Carl</i>
§8.5	Description and Drawing of Waste area(s)	<i>Carl</i>
§8.6	Description and Drawing of Cook area(s)	<i>Carl</i>
§8.7	Field observations field form	<i>Carl</i>
	FACTs Functional Space inventory field form	<i>Carl</i>
§8.8	Plumbing inspection field form	<i>Carl</i>
	FACTs ISDS field form	<i>Carl</i>
§8.9	Contamination migration field form	<i>Carl</i>
§8.10	Identification of common ventilation systems	<i>Carl</i>
§8.11	Description of the sampling procedures and QA/QC	<i>Carl</i>
§8.12	Analytical Description and Laboratory QA/QC	<i>Carl</i>
§8.13	Location and results of initial sampling with figures	<i>Carl</i>
§8.14	FACTs health and safety procedures in accordance with OSHA	<i>Carl</i>
§8.15	Contractor's description of decontamination procedures and each area that was decontaminated	NA
§8.16	Contractor's description of removal procedures each area where removal was conducted, and the materials removed	NA
§8.17	Contractor's description of encapsulation areas and materials	NA
§8.18	Contractor's description of waste management procedures	NA
§8.19	Drawing, location and results of final verification samples	<i>Carl</i>
§8.20	FACTs Pre-remediation photographs and log	<i>Carl</i>
	FACTs Post-remediation photographs and log	NA
§8.21	FACTs SOQ	<i>Carl</i>
§8.22	Certification of procedures, results, and variations	<i>Carl</i>
§8.23	Mandatory Certification Language	<i>Carl</i>
§8.24	Signature Sheet	<i>Carl</i>
	Analytical Laboratory Reports	<i>Carl</i>
	FACTs Field Sampling Forms	<i>Carl</i>



FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.

APPENDIX B

ANALYTICAL REPORTS FOR FACTS SAMPLES

SAMPLING FIELD FORM

FACTs project name: Oak Street	Form # ML17
Date: June 15, 2010	Alcohol Lot#: A0901 Gauze Lot#: G1004
Reporting IH: Caoimhin P. Connell, Forensic IH	Preliminary _____ Intermediate _____ Final _____

TRAP 2010
X4

Sample ID	Type	Location	Funct. Space	Dimensions	Substrate
OM061510-					
-01	W	DINING ROOM CHAUDOLIER	6	1.25 x 6.25 x 7.5	GLASS
* -02	W	KITCHEN - UPPER CROWN MOULDING	5	1 x 81"	PAINTED WOOD
-03	W	DOWNSTAIRS RECREATION ROOM - TOP RAIL OVER SLIDING GLASS DOORS	2	2.5 x 37	PLASTIC
* -04	W	GARAGE	3	2.5 x 48	P M
-05	W	CRAWL SPACE - ON FURNACE METAL HOUSING	11	9 x 9	GALVANIZED METAL
-06	/	Bx	/	/	/
-07	W	UPSTAIRS BATH	4	0.75 x 120	P W
* -08	W	MASTER BEDROOM - LEDGE ON EAST WALL	8	9 x 9	P DW
-09	/	Bx	/	/	/
-10	W	MASTER BATHROOM	7	9 x 9	P DW
* -11	W	NE BED ROOM - SOUTH WALL ~ CENTER	9	9 x 9	DW
* -12	W	SE BEDROOM - EAST WALL, SOUTH CORNER NEAR CEILING	10	40 x 2	DW
-13	W	ATTIC - PVC SEWER RELIEF STACK	1	36 x 2.5	PVC
* -14	W	FURNACE - UPSTAIRS NE BEDROOM	12	5 x 13 + 5	P M
-15				(5 x 6.5) 3	

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, PI=Plastic

ALL SAMPLES ARE AUTHORITATIVE SAMPLES

* #2 = 50% UNDER SAMPLED

* #4 = 10% UNDER SAMPLED

SALT, SOLVENT, ① = KITCHEN

* #8 = 10% UNDER SAMPLED - MASTER BEDROOM

* #11 = 10% UNDER SAMPLED - NE BEDROOM

* #12 = 25% UNDER SAMPLED - SE BEDROOM

* #14 = 20% UNDER SAMPLED - FURNACE

ATTIC - BROKE PAINT SEAL.



FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.



ANALYTICAL CHEMISTRY INC.

Established in 1979

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:	10135-09
Date Received:	June 18, 2010
Date Completed:	June 22, 2010

June 22, 2010

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

CLIENT REF: Oak Street

SAMPLES: wipes/14

ANALYSIS: Methamphetamine by Gas Chromatography-Mass Spectrometry.

RESULTS: in total micrograms (ug)

Sample	Methamphetamine, ug	% Surrogate Recovery
OM061510-01	< 0.030	104
OM061510-02	< 0.030	104
OM061510-03	< 0.030	102
OM061510-04	< 0.030	99
OM061510-05	< 0.030	101
OM061510-06	< 0.030	98
OM061510-07	< 0.030	103
OM061510-08	< 0.030	117
OM061510-09	< 0.030	103
OM061510-10	< 0.030	117
OM061510-11	< 0.030	106
OM061510-12	< 0.030	105
OM061510-13	< 0.030	92
OM061510-14	< 0.030	104
QA/QC Method Blank	< 0.004	
QC 0.100 ug Standard	0.100	
QA 0.020 ug Matrix Spike	0.018	
QA 0.020 ug Matrix Spike Duplicate	0.020	
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



CPL SAMPLING & CUSTODY FORM

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

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

Page 1 Of 1

SAMPLING DATE:	June 15, 2010	REPORT TO:	Caoimhin P. Connell	ANALYSIS REQUESTED									
PROJECT Name/No:	Oak Street	COMPANY:	Forensic Applications, Inc.	1	Methamphetamine								
eMail:	Fiosrach@aol.com	ADDRESS:	185 Bounty Hunters Lane, Bailey, CO 80421	2	Use entire contents								
SAMPLER NAME:	Caoimhin P. Connell	PHONE	303-903-7494	3									
				4									
				5									
				6	Not Submitted								
LAB Number	Sample Number	SAMPLE MATRIX			ANALYSIS REQUESTS						SAMPLER COMMENTS	LAB COMMENTS	No of Containers
		Wipe	Vacuum	Other	1	2	3	4	5	6			
	OM061510-Q01	X			X	X							1
	OM061510-Q02	X			X	X							1
	OM061510-Q03	X			X	X							1
	OM061510-Q04	X			X	X							1
	OM061510-Q05	X			X	X							1
	OM061510-Q06	X			X	X							1
	OM061510-Q07	X			X	X							1
	OM061510-Q08	X			X	X							1
	OM061510-Q09	X			X	X							1
	OM061510-10	X			X	X							1
	OM061510-11	X			X	X							1
	OM061510-12	X			X	X							1
CHAIN OF CUSTODY RECORD													
PRINT NAME	Signature	COMPANY	DATE	TIME	Turnaround Time	Custody Seals:	Total Number of Containers (verified by laboratory)						
Caoimhin P. Connell	[Signature]	FACTS, Inc.	6/15/10	1625	<input type="checkbox"/> 24 Hours (2X) <input checked="" type="checkbox"/> 2 Days (1.75X) <input type="checkbox"/> 3 Days (1.5X)	Yes Intact Ambient	No Broken Cooled						
MIA SAZEN	[Signature]	AET	6/18/10	1400	<input checked="" type="checkbox"/> Routine	Inspected By: Lab File No.	MIA SAZEN 10135-09						



ANALYTICAL CHEMISTRY INC.

CDL SAMPLING & CUSTODY FORM

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

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

Page 1 of 1
Please do not write in shaded areas.

SAMPLING DATE: 6/15/2010		REPORT TO: Caoimhin P. Connell		ANALYSIS REQUESTED											
PROJECT Name/No: OAK		COMPANY: Forensic Applications, Inc.		1 Methamphetamine 2 Use entire contents 3 Nicotine 4 Amphetamines 5 6 Not Submitted											
eMail: Fiosrach@aol.com		ADDRESS: 185 Bounty Hunters Lane, Bailey, CO 80421													
SAMPLER NAME: Caoimhin P. Connell		PHONE: 303-903-7494													
LAB Number	Sample Number	SAMPLE MATRIX			ANALYSIS REQUESTS						SAMPLER COMMENTS	LAB COMMENTS	No of Containers		
		Wipe	Vacuum	Other	1	2	3	4	5	6					
	CM61518-13	W			X	X									1
	" " 14	W			X	X									1
					X										
					X										
					X										
					X										
					X										
					X										
					X										
					X										
					X										
CHAIN OF CUSTODY RECORD		Wipes Results in:		<input type="checkbox"/> µg/100cm ²	<input checked="" type="checkbox"/> Total µg						Total Number of Containers (verified by laboratory)			2	
PRINT NAME	Signature	COMPANY	DATE	TIME	Turnaround Time						Custody Seals:	Yes	No		
Caoimhin P. Connell		FACTS, Inc.	6/15/10	1625	<input type="checkbox"/> 24 Hours (2X) <input type="checkbox"/> 2 Days (1.75X) <input type="checkbox"/> 3 Days (1.5X) <input checked="" type="checkbox"/> Routine						Container:	Intact	Broken		
MIA Sazon		AEI	6/18/10	1400							Temperature:	Ambient	Cooled		
											Inspected By:	MIA Sazon			
											Lab File No.	10135-09			

FINAL SAMPLING CHECKLIST

FACTs project name:	Oak Street	Form # ML18
Date: June 15, 2010		
Reporting IH:	Caoimhín P. Connell, Forensic IH	

Functional Space #	Collected 500 cm ²		General Sampling Considerations	
	Yes	No		
			Floor Space Area of Lab (ft ²)	3,081
1	X		One extra sample is required for every 500 ft ² of floor space >1,500ft ² . Enter number of <u>extra</u> samples required:	4
2	X		Enter minimum number of final samples required based on floor space.	9
3	X		Enter Number of Functional Spaces to be included	12
4	X		Enter the minimum number of sample required based on the number of functional spaces	12
5	X		Is the lab a motor vehicle?	No
6	X		Does the lab contain motor vehicles?	No
7	X		Enter number of motor vehicles associated with the lab:	0
8	X		Are the vehicles considered functional spaces of the lab?	NA
9	X		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
10	X		Enter number of large vehicles (campers, trailers, etc)	0
11	X		One extra sample is required for every 50 ft ² of floor space of large vehicles. Enter number of extra samples required:	0
12	X		Enter total number of samples to be collected.	12
			One BX must be included for every 10 samples. Enter the number of BX required.	2
			Enter total number of samples/BXs required	14
			Enter total number of samples/BXs actually collected	14
			Collected a minimum of 5 samples from the lab?	Yes
			Collected a minimum of 3 discrete samples from the lab?	Yes
			Collected minimum of 500 cm ² per functional space?	Yes
			Collected minimum of 1,000 cm ² surface area from the lab?	Yes
			Sketch of the sample locations performed?	Yes



APPENDIX C

**ANALYTICAL METHODS
(SEE ATTACHED DVD)**

APPENDIX D

**INITIAL INDUSTRIAL HYGIENE REPORT
(SEE ATTACHED DVD)**

APPENDIX E

COMPACT DIGITAL DISC (DVD) PHOTOGRAPHS AND VIDEO(S)