



**FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.**

**Preliminary Assessment  
of an  
Identified Illegal Drug Laboratory  
at:**

**12970 West Auburn Ave.  
Lakewood, CO 80228**

**Jefferson County Case Number  
11-104017 SR**

Prepared for:

The Westfall Team  
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Prepared by:

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March 31, 2011

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## EXECUTIVE SUMMARY

On Monday, March, 7, 2011, Forensic Applications Consulting Technologies, Inc. (FACTs) was contacted by RE/MAX Professionals, Inc. to perform standard cursory testing for methamphetamine at 12970 W. Auburn Ave., Lakewood, CO 80228 (the subject property).

The testing confirmed the presence of methamphetamine contamination at the subject property in excess of Colorado regulatory concentrations. The testing indicated widespread contamination of methamphetamine throughout the residence.

On March 14, 2011, FACTs issued a written report of the cursory testing which met the definition of “discovery” and “notification” and which triggered Colorado State Board of Health Regulation 6 CCR 1014-3.

The project was assigned a case number by the Governing Body (Jefferson County Department of Health, Golden, CO.)

FACTs was subsequently contracted by RE/MAX Professionals, Inc. to perform a standard State-mandated Preliminary Assessment (PA). From March 21, 2011 to March 29, 2011 personnel from FACTs performed the PA pursuant to Colorado Regulation 6 CCR 1014-43, Part 4.

Samples taken during the testing conclusively demonstrated the presence of widespread methamphetamine contamination throughout the structure, including both furnace systems, the garage and the crawlspace, but excluding the attic.

Pursuant to Colorado Revised Statutes, CRS §25-18.5-101, the residence, and all remaining personal items therein, meet the definition of an “illegal drug laboratory.” Pursuant to CRS §16-13-303, the property meets the definition of a class 1 public nuisance. Based on the totality of the circumstances, FACTs makes the following observations:

- The property exhibits overt noncompliance with Colorado’s methamphetamine cleanup standards.
- “Discovery” and “Notification” existed by virtue of the FACTs March 7, 2011 samples as described in our March 14, 2011 report.
- A noncompliant illegal drug lab, as that term is defined in CRS §25-18.5-101, existed at the subject property from at least March 7, 2011 forward, and continues to exist at the time of this Preliminary Assessment.



- A Class 1 Public Nuisance, as defined in CRS §16-13-303(1) existed at the subject property from at least March 7, 2011 forward, and continues to exist at the time of this report.
- The entire interior structure, including the garage, the crawlspace and both furnace systems, but excluding the attic, must be decontaminated in a manner consistent with State regulations.
- Following the decontamination activities, a qualified Industrial Hygienist must perform the post-decontamination process and issue a Decision Statement before reentry or occupancy of the subject property may occur.
- The PA and sampling was performed by Mr. Caoimhín P. Connell, Forensic Industrial Hygienist with FACTs. Mr. Connell was assisted by Ms. Christine Carty, Field Technician.<sup>1</sup>

## **REGULATORY REQUIREMENTS**

### ***Federal Requirements***

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

### ***State Requirements***

#### **Preliminary Assessment**

According to Colorado State Regulation 6-CCR 1014-3, following the discovery of an illegal drug lab, as that term is defined in CRS §25-18.5-101, and following “notification,” the property must either be demolished or a “Preliminary Assessment” must be conducted at that property to characterize extant contamination (if any), and to direct appropriate decontamination procedures (if any). Pursuant to these regulations, information obtained in the PA, and those findings, enter the public domain and are not subject to confidentiality.<sup>2</sup>

The PA must be conducted according to specified requirements<sup>3</sup> by an authorized Industrial Hygienist as that term is defined in CRS §24-30-1402. This document, and all associated appendices and photographs, is the PA pursuant to those regulations. Included with this discussion is a read-only digital disc. The disc contains mandatory information

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<sup>1</sup> Ms. Carty received a training certificate in Clandestine Drug Lab Safety through the Colorado Regional Community Policing Institute (CRCPI) sponsored by the US Dept. of Justice High Intensity Drug Trafficking Area fund.

<sup>2</sup> Section 8.26 of 6 CCR 1014-3

<sup>3</sup> Section 4 of 6 CCR 1014-3





and photographs required by State regulation for a PA. This PA is not complete without the digital disc and all associated support documents.

Pursuant to CRS §25-18.5-105, the subject property is deemed a “public health nuisance.” Pursuant to CRS §16-13-303, the subject property and all of its contents is deemed a Class 1 Public Nuisance. As such, the subject property must be remediated according to State Board of Health regulations 6-CCR-1014-3 or demolished (CRS §25-18.5-103).

## **Preliminary Hypothesis**

During the PA, the initial hypothesis is made that the subject area is clean, and data are collected to find support for this hypothesis. Any reliable data that fails to support the hypothesis, including police records, visual clues of illegal production, storage, or use, or documentation of drug paraphernalia being present, is considered conclusive, and requires the Industrial Hygienist to accept the null hypothesis and declare the area non-compliant.<sup>4</sup> 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 or waste products as related to processing.

Contrary to common belief, sampling is **not** required during a PA; however, if sampling is performed, it is conducted in the areas with the highest probability of containing the highest possible concentrations of contaminants. According to the State regulations:<sup>5</sup>

*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.*

## **Initial Statement on Hypothesis Testing**

Regarding this subject property, objective sampling performed by FACTs on March 7, 2011, confirmed overt methamphetamine contamination. In the totality of circumstances, any one of the samples would have challenged the Primary Hypothesis, and require FACTs to accept the null hypothesis and declare the primary residence and all contents therein as non-compliant.

Pursuant to testing consistent with Section 7, 6 CCR 1014-3, FACTs further challenged the compliance status of the garage, the attic, the crawlspace and the two furnaces located in the structure. Through that sampling, we determined that although methamphetamine was present in the attic, the concentrations did not rise to the standard of contaminant,

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<sup>4</sup> This language and emphasis is verbatim from Appendix A (mandatory) of 6 CCR 1014-3

<sup>5</sup> Section 4.6 of 6 CCR 1014-3

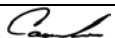
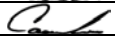

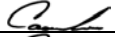
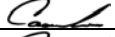




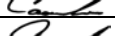
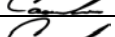







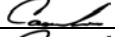
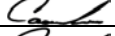
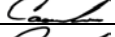

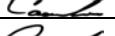


and the concentrations were below the appropriate regulatory thresholds. Therefore, the attic has been excluded from the need for any corrective actions.

The samples designed to challenge the compliance status of the garage, the crawlspace and the two furnace systems, however, confirmed the presence of overt and widespread contamination in excess of the regulatory thresholds, and these areas are included in the remediation process.

## Elements of the Preliminary Assessment

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

Mandatory Final Documents 6-CCR 1014-3	DOCUMENTATION	Included
§4.1	Property description field form	
§§4.4, 4.5	Description of manufacturing methods and chemicals	
§4.2	Law Enforcement documentation review discussion	
§4.7	Description and Drawing of Storage area(s)	
§4.8	Description and Drawing of Waste area(s)	
§4.9	Description and Drawing of Cook area(s)	
§§4.3, 4.6, 4.10	Field Observations field form	
	FACTs Functional space inventory field form	
§4.11	Plumbing inspection field form	
	FACTs ISDS field form	
§4.12	Contamination migration field form or description	
§4.13	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 drawings	
§8.14	FACTs health and safety procedures in accordance with OSHA	
§8.15 - §8.19	These sections are not applicable to a Preliminary Assessment	
§8.20	FACTs Pre-remediation photographs and log	
	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 Field Sampling Forms	

**Table 1**  
**Inventory of Mandatory Elements and Documentation**

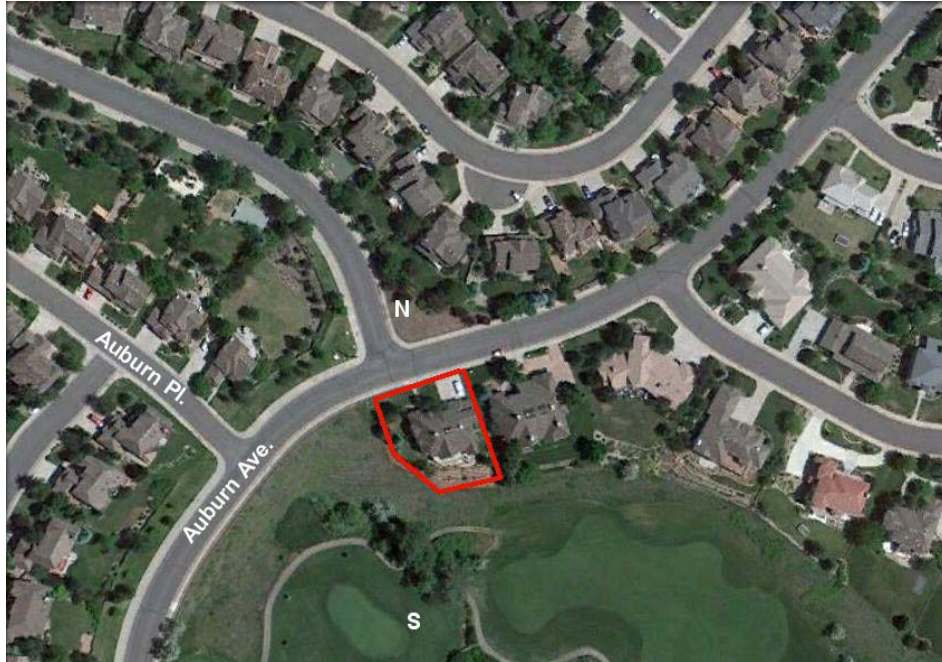
## Subject Structure

Based on information from the Jefferson County Assessor's Office, the primary structure consisted of 6,385 square feet of residential floor space built *circa* 1993. For the purposes of regulatory compliance, traditionally non-taxable spaces (such as the attic and crawlspace) must be included in the assessment. Therefore, for the purposes of this PA,



the approximate total square feet of potentially impacted floor space used in the PA is 7,585 square feet (excluding the attic). Sampling requirements are based on this value.

A general layout of the residential setting is depicted in the aerial photograph below. The subject property is outlined in red.



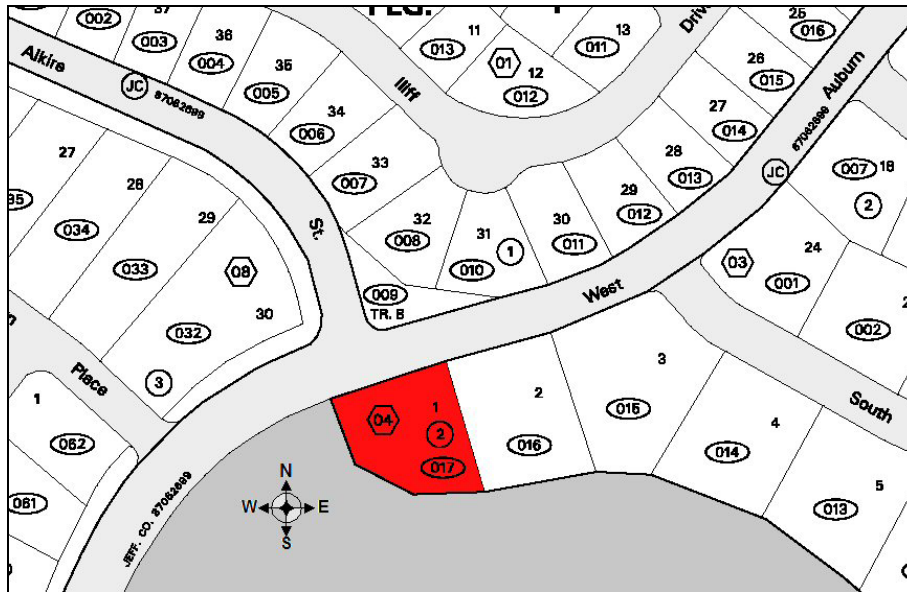
**Figure 1**  
**General Site Layout<sup>6</sup>**

A partial plat map for the property, with the subject property in red.

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<sup>6</sup> Courtesy of USDA Farm Service Agency as accessed through Google <sup>TM</sup>





**Figure 2**  
**Partial Plat Map**

## Review of Law Enforcement Documentation

As part of the PA, FACTs is required by regulation<sup>7</sup> to review available law enforcement documents pertinent to a subject property. During this project, FACTs contacted three regulatory/law enforcement agencies for documentation:

1. Jefferson County Sheriff's Office
2. Lakewood Police Department
3. West Metro Drug Task Force

Each responding agency exhibited the highest standard of professionalism and courtesy, and participated openly with our requests for information. At the time of the preparation of this report, the West Metro Drug Task Force had not yet responded to our request for information.

Based on the best available information, there are no law enforcement documents pertaining to controlled substances for this subject property.

## Governing Body

Pursuant to statute and regulations, the documentation in this report must be submitted to the "Governing Body" to avail of the statutory liability immunity. The *de facto* "Governing Body" as defined in CRS 25-18.5-101 for this property is:

<sup>7</sup> 6 CCR 1014-3 (Section 4.2)



Mr. Craig Sanders  
Environmental Protection Supervisor  
Jefferson County Department of Health and Environment  
180119th Street  
Golden, CO 80401  
Re: Case 11-104017 SR

### ***Visual Inspection of the Property***

As part of the Preliminary Assessment, on March 21, 2011, Mr. Caoimhín P. Connell, Forensic Industrial Hygienist with FACTs, performed a visual inspection of the subject property. During the assessment, Mr. Connell was assisted by Field Technician, Christine Carty. The property was in an “unoccupied” condition, and was completely devoid of chattels.

## **FUNCTIONAL SPACE SUMMARY**

During a Preliminary Assessment, the Industrial Hygienist is required by regulation 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 areas 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 be different, kitchens and living rooms, may be different, etc. Pursuant to regulations, a building is divided into such areas based solely on subjective professional judgment with foundational guidance in Federal Regulation.<sup>8</sup>

A general overview of each space is provided in the following discussion. Indicators are detailed in FACTs field form ML5, included in the appendix of this report. For evaluation purposes, the following Functional Spaces have been identified and are addressed below:

<b>Functional Space Number</b>	<b>Location of the Functional Space</b>
<b>1</b>	<b>Foyer, Parlor and Formal Dining Room</b>
<b>2</b>	<b>Library (both floors)</b>
<b>3</b>	<b>Powder Bathroom</b>
<b>4</b>	<b>Kitchen, Kitchen Pantry and Breakfast Room</b>
<b>5</b>	<b>Living Room and stairs to second floor</b>
<b>6</b>	<b>Laundry Room and Two Hall Closets</b>
<b>7</b>	<b>Master Bedroom and Master Bathroom</b>
<b>8</b>	<b>Master Walk-in closet</b>
<b>9</b>	<b>Basement Bathroom and Toilet</b>
<b>10</b>	<b>Basement Recreational Room</b>
<b>11</b>	<b>Basement Office</b>

**Table 2**  
**Functional Space Inventory**

<sup>8</sup> Asbestos Containing Materials in Schools; Final Rule and Notice, Title 40 CFR Part 763, Fed. Reg. Vol. 52, No. 210, Fri. Oct. 30, 1987



Functional Space Number	Location of the Functional Space
12	Basement Furnace Room
13	Basement Bedroom
14	Crawlspace
15	Upstairs Bedroom and Closet
16	Upstairs Bathroom
17	Attic
18	Garage
19	Garage sound studio

**Table 2 (Continued)**  
**Functional Space Inventory**

### **Functional Space 1: Foyer, Foyer Hall, Formal Dining**

There were no specific indicators in this space, except for the presence of methamphetamine. There was some damage to the ceiling. This area was included in the cursory sampling and was positive for methamphetamine. This area contained a security alarm identifying itself as “Floorwax’s Place.” Floorwax is/was a stage name associated with the subject property’s previous owner of public record, Michael Steinke.

### **Functional Space 2: Library**

This space comprises of both floors of the library. There were no specific indicators in this space, except for the presence of methamphetamine. This area was included in the cursory sampling and was positive for methamphetamine.

### **Functional Space 3: Powder Bathroom**

This space is the small toilet room to the left of the main entrance. There were no specific indicators in this space, except for the presence of methamphetamine. This area was included in the cursory sampling and was positive for methamphetamine.

### **Functional Space 4: Kitchen, Kitchen Pantry and Breakfast Room**

There were no specific indicators in this space, except for the presence of methamphetamine. There was some damage to the ceiling. This area was included in the cursory sampling and was positive for methamphetamine.

### **Functional Space 5: Living Room and Stairs to Second Floor**

There were no specific indicators in this space, except for the presence of methamphetamine and some damage to the ceiling of the living room.

### **Functional Space 6: Laundry Room and Two Closets**

This area included the small foyer to the laundry room containing two closets. There were no specific indicators in this space, except the presence of methamphetamine.



## **Functional Space 7: Master Bedroom and Master Bathroom**

This space is delineated as the term is commonly known. Sampling was performed in this functional space by a perspective buyer prior to the involvement of FACTs. The perspective buyer collected wipe samples from the south wall of the bedroom, as well as from two other locations. The perspective buyer reportedly submitted their own samples to a laboratory for quantitative analysis of methamphetamine by GCMS. The perspective buyer's samples reportedly contained approximately 1.5 to 3 µg/100cm<sup>2</sup>. It was on the basis of this sampling that FACTs was initially asked to perform sampling pursuant to the Colorado Real Estate methamphetamine disclosure and testing statute as described by CRS §38-35.7-103(2)(a).

There were no specific indicators in this space, except for the presence of methamphetamine and some unusual damage to the walls and ceiling. This area was included in the cursory sampling performed by FACTs and was positive for methamphetamine.

## **Functional Space 8: Master Walk-in Closet**

This space is significantly different from the rest of the Master Bedroom/Bathroom complex. There were no specific indicators in this space.

## **Functional Space 9: Basement Bathroom**

There were no specific indicators in this space, except for the presence of methamphetamine. This area was included in the cursory sampling and was positive for methamphetamine.

## **Functional Space 10: Basement Recreational Room**

There were no specific indicators in this space, except for the presence of methamphetamine and some damage to the ceiling. This area was included in the cursory sampling and was positive for methamphetamine.

## **Functional Space 11: Basement Office**

This space is the general use room that occupies the southeastern quadrant of the basement. There were no specific indicators in this space, except for the presence of methamphetamine.

## **Functional Space 12: Basement Furnace Room and Storage**

The furnace room contains Furnace System Number 1, and also has access to the Crawlspace containing Furnace System Number 2. There were no specific indicators in this space, except for the presence of methamphetamine. Furnace System Number 1 and the associated storage area was included in the cursory sampling and was positive for methamphetamine.



### **Functional Space 13: Basement Bedroom**

This space is the bedroom that occupies the northernmost portion of the basement. There were no specific indicators in this space, except for the presence of methamphetamine. This area was included in the cursory sampling and was positive for methamphetamine.

### **Functional Space 14: Crawlspace**

This space is the large earthen-floored crawlspace that occupies the westernmost portion of the basement. There were no specific visual indicators in this space, except for the presence of methamphetamine. This area was included as a specific discreet sample during the Preliminary Assessment which indicated a methamphetamine concentration of 1.7 µg/100cm<sup>2</sup> in the crawlspace.

### **Functional Space 15: Upstairs Bedroom and Bedroom Closet**

This space is the only bedroom that occupies the upstairs. There were no specific indicators in this space, except for the presence of methamphetamine. This area was included in the cursory sampling and was positive for methamphetamine.

### **Functional Space 16: Upstairs Bathroom**

Due to the configuration, this room was identified as a separate functional space. This space is the only bathroom located upstairs and it is accessed through the upstairs bedroom. There were no specific indicators in this space, except for the presence of methamphetamine. This area was included in the cursory sampling and was positive for methamphetamine.

### **Functional Space 17: Attic**

From this area, a specific discreet sample was collected during the Preliminary Assessment pursuant to the final clearance protocols found in 6 CCR 1014-3. That sample indicated a methamphetamine concentration of 0.3 µg/100cm<sup>2</sup>.

Although there is communication between the attic and the remainder of the house (access through the upstairs bedroom closet ceiling), the attic is nevertheless somewhat isolated from the remainder of the structure. As such, although the upper 95% confidence interval of the sample result may possibly be greater than the regulatory threshold, based on the totality of the circumstances, we conclude that the attic may be excluded from the decontamination process as a compliant space.

### **Functional Space 18: Garage**

This space is the large attached garage. This area was included as a specific discreet sample during the Preliminary Assessment which indicated a methamphetamine concentration of 2.0 µg/100cm<sup>2</sup>.

### **Functional Space 19: Sound Studio**

This space is an unusual small room contained within the garage. Since the room is specifically constructed to be isolated from the remainder of the rest of the garage, it was





designated as a separate functional space. The small room is presumed to contain methamphetamine.

## Furnace Systems

There are two separate forced air furnace systems in this structure. The furnace systems are standard residential forced air systems. Furnace System Number 1 is located in the Basement Furnace Room and Furnace System Number 2 is located in the crawlspace.

FACTs collected a sample from the interior of each of the furnace interiors to determine if the furnace systems could be excluded from the decontamination process.

The sample collected from the interior of Furnace System Number 1 indicated noncompliant concentrations of methamphetamine approximating 0.7 µg/100 cm<sup>2</sup>; as such this furnace system cannot be excluded from the decontamination process.

The sample collected from the interior of Furnace System Number 2 indicated noncompliant concentrations of methamphetamine approximating 1.9 µg/100 cm<sup>2</sup>; as such this furnace system cannot be excluded from the decontamination process.

It is well established knowledge in the Industrial Hygiene and medical professions that the use of methamphetamine in a home results in elevated exposures to the occupants via airborne migration. When methamphetamine is smoked, between 80%<sup>9</sup> and half<sup>10</sup> of the substance is released from the user's pipe. Of that material which is inhaled, between 33%<sup>11</sup> and 10%<sup>12</sup> of the nominal dose is not absorbed into the body, but rather exhaled back into the ambient air.

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<sup>9</sup> Cook CE, *Pyrolytic Characteristics, Pharmacokinetics, and Bioavailability of Smoked Heroin, Cocaine, Phencyclidine, and Methamphetamine* (From: Methamphetamine Abuse: Epidemiologic Issues and Implications Research Monograph 115, 1991, U.S. Department Of Health And Human Services Public Health Service Alcohol, Drug Abuse, and Mental Health Administration National Institute on Drug Abuse)

<sup>10</sup> Cook CE, Jeffcoat AR, Hill JM, et al. *Pharmacokinetics of Methamphetamine Self-Administered to Human Subjects by Smoking S-(+)-Methamphetamine Hydrochloride*. Drug Metabolism and Deposition Vol. 21 No 4, 1993 as referenced by Martyny JW, Arbuckle SL, McCammon CS, Erb N, Methamphetamine Contamination on Environmental Surfaces Caused by Simulated Smoking of Methamphetamine (The publication of this study is currently pending. Copies of the study are available from the Colorado Alliance for Drug Endangered Children.)

<sup>11</sup> Harris DS, Boxenbaum H, Everhart ET, Sequeira G, et al, *The bioavailability of intranasal and smoked methamphetamine*, Pharmacokinetics and Drug Disposition, 2003;74:475-486.)

<sup>12</sup> Cook CE, Jeffcoat AR, Hill JM, Pugh DE, et al *Pharmacokinetics of methamphetamine self-administered to human subjects by smoking S-(+)-methamphetamine hydrochloride* Drug Metabolism and Disposition, Vol 21, No. 4, pp. 717-723, 07/01/1993



Recent work conducted by Industrial Hygienists at the National Jewish Hospital<sup>13</sup> in Denver, CO indicate that a single use of methamphetamine, by smoking, could result in an average residential area ambient airborne concentration of methamphetamine ranging from 35 micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ) to over 130  $\mu\text{g}/\text{m}^3$ . These authors found that smoking methamphetamine just once in the residence can result in surfaces being contaminated with methamphetamine. The authors concluded:

*"If methamphetamine has been smoked in a residence, it is likely that children present in that structure will be exposed to airborne methamphetamine during the "smoke" and to surface methamphetamine after the 'smoke'."*<sup>14</sup>

Since it is the purpose of the forced air ventilation system to move air throughout the structure, and the furnaces, as evidenced by the samples collected from the furnace interiors, conclusively contained elevated concentrations of methamphetamine, we conclude the furnaces were effective mechanisms of dissemination of methamphetamine and may be a continued source of contamination until appropriately addressed.

The results of the furnace samples alone would lead a reasonable person, trained in aspects of methamphetamine laboratories, to conclude the *presence* of widespread elevated methamphetamine contamination throughout the entire occupied space, all other sample results notwithstanding, and in the absence of any sample result for any specific location.

Therefore, it is for this reason that FACTs confidently concludes that, based on just these samples alone, there was high probability of elevated concentrations of methamphetamine throughout the residence including all remaining areas that have not been confirmed as contaminated by sampling. Having said this, the remaining samples have nevertheless objectively confirmed the existence of widespread contamination.

## EXTERIOR GROUNDS

Although not truly a functional space *per se*, the exterior grounds were assessed independently. Although we did observe some evidence of stressed vegetation along the fence line to the west, this small patch of disturbed ground was not consistent with the patterns associated with illegal dumping or contamination migration.

On the day of our visit, the vegetation was in a winter state, which may hinder our observations. Aerial photography from the summer months (June 16, 2010) revealed the

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<sup>13</sup> Martyny JW, Arbuckle SL, McCammon CS, Erb N, *Methamphetamine Contamination on Environmental Surfaces Caused by Simulated Smoking of Methamphetamine* (The publication of this study is currently pending. Copies of the study are available from the Colorado Alliance for Drug Endangered Children.)

<sup>14</sup> Martyny JW, Arbuckle SL, McCammon CS, Erb N, *Methamphetamine Contamination on Environmental Surfaces Caused by Simulated Smoking of Methamphetamine* (The publication of this study is currently pending. Copies of the study are available from the Colorado Alliance for Drug Endangered Children.)



small patch of stressed vegetation already noted, but did not suggest any other of stressed vegetation.

## **SEWERAGE SYSTEM**

The sewer system is “city sewer.” Although we presume that some waste materials may have been introduced into the sewer system, we did not observe any indicators that the integrity of the sewer system was compromised. The plumbing had been “winterized” by a property management company which may have disturbed our observations. However, based on real-time qualitative VOC monitoring, and a visual inspection, we did not identify any indicators to suggest the integrity of the sewer system was compromised.

## **SAMPLE COLLECTION**

### ***Wipe Samples***

The samples collected during the cursory visit were composite samples. The samples collected during the Preliminary Assessment comprised of “discreet” samples. The composite samples were described in our written report dated March 14, 2011.

Discreet samples are a single wipe, collected from a single area, and submitted for analysis as a unique location.

Each sample location was identified by the Industrial Hygienist based on authoritative bias sampling theory. In this theory, consistent with State regulations, samples are purposely collected from those areas which have the highest probability of containing the highest concentrations of methamphetamine.

The wipe sample medium was individually wrapped commercially available Johnson and Johnson™ brand gauze pads. Each gauze material was assigned a lot number (G1006) 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 (A1001) for QA/QC purposes and recorded on a log of results. Each proposed sample area was delineated with a measured outline. The ruler used to measure the surface area was decontaminated with a single-use disposable alcohol wipe between samples.

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. In some cases, it is impossible to adequately remove all the surface debris within the sample area. When this occurs, we visually estimate the per cent of material remaining, and correct the final sample result accordingly. Each sample was returned to its centrifuge tube and capped with a screw-cap. The wipe samples were submitted for analysis to Analytical Chemistry Inc. in Tukwila, Washington.



## **Quality Assurance/Quality Control (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 requirements, one field blank was submitted along with the sample suite. The field blank was randomly selected from the sampling sequence and included with the samples. To ensure the integrity of the blank, FACTs personnel were unaware, until the actual time of sampling, which specific sample would be submitted as a blank. Similarly, to ensure the integrity of the blank, laboratory personnel were unaware of the presence of a blank in the sample suite.

## **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.

Prior to entry into the property, each member of FACTs donned a disposable Tyvek suit.

The ladder used during our assessment had been decontaminated at a car wash prior to being brought on site.

## **Collection Rationale**

### **Primary Objective**

It is a common misconception that the Industrial Hygienist is required to collect samples during a PA. However, no such requirement exists in Colorado. Rather, regarding samples, the regulations state:

#### Pre-decontamination sampling

In pre-decontamination sampling, the question that is being asked is “Is there evidence of the presence of methamphetamine production in this area?” The assumption (hypothesis) is that the area is clean i.e. “compliant,” and data will be collected to find support for the hypothesis. Data (such as samples) are collected to “prove” the area is compliant. Sampling, if it is performed, is conducted in the areas potentially containing the highest possible concentrations of contaminants. Any data that disproves the hypothesis, including police records, visual clues of production, storage, or use or documentation of drug paraphernalia being present, is considered conclusive, and leads the consultant to accept the null hypothesis and declare the area non-compliant. 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 methamphetamine laboratories, to conclude the presence of methamphetamine, its precursors as related to processing, or waste products.

Similarly, there is a misconception that if samples are collected, and the laboratory results are below the value often misinterpreted as the State’s regulatory threshold value (0.5 µg/100 cm<sup>2</sup>), the samples necessarily indicate that the area is not contaminated and no action is required. However, the regulatory threshold values are exclusively to be used as



*prima fascia* evidence only when used pursuant to sampling protocols needed to determine issue a Decision Statement in the absence of all other information. Although State regulation does not require samples to be collected during a Preliminary Assessment, as part of this Preliminary Assessment, samples were collected pursuant to the protocols found in regulation necessary to declare that area compliant.

For this project, FACTs had sufficient information from the cursory sampling results and those collected during the PA to conclude that the contamination in the subject property was widespread, and, based on the totality of the circumstances, in accordance with 6 CCR 1014-3, we concluded that those areas not sampled were similarly contaminated.

However, to objectively test the *a priori* assumption for the garage, furnace systems, crawlspace and attic (which could significantly increase remediation costs), FACTs selected a sample from each of those functional spaces which would best represent the worst case scenario in those spaces, as required by regulation. These samples, along with a blank, were submitted for analysis. Based on these samples, we were able to exclude only the attic from the scheduled remediation.

## Sample Results

The results of the methamphetamine samples are summarized in the table below. The shaded samples are those that were collected during the cursory evaluation.

Date	Sample	Location	Area	Result	Criterion	Status
03/07/11	AM030711-01A	Foyer furnace return duct	6.00	3.28	0.25	FAIL
03/07/11	AM030711-01B	Powder bathroom	6.00			
03/07/11	AM030711-01C	Kitchen top of cabinetry	6.00			
03/07/11	AM030711-01D	Master Bed top of black cabinets	6.00			
03/07/11	AM030711-01E	Hallway top of door bell cover	6.00			
03/07/11	AM030711-02A	Library loft NW top of stacks	6.00	1.00	0.25	FAIL
03/07/11	AM030711-02B	Upstairs bathroom exhaust fan	6.00			
03/07/11	AM030711-02C	US bedroom top of door frame	6.00			
03/07/11	AM030711-02D	US bedroom closet door jamb	6.00			
03/07/11	AM030711-02E	US bedroom furnace supply duct	6.00			
03/07/11	AM030711-03	DS bedroom closet door jamb	6.00	1.05	0.25	FAIL
03/07/11	AM030711-03A	DS living room TV shelf	6.00			
03/07/11	AM030711-03B	DS furnace interior	6.00			
03/07/11	AM030711-03C	Furnace room top of duct	6.00			
03/07/11	AM030711-03E	DS bathroom extraction fan cover	6.00			
03/21/11	AM032111-01	Furnace #1 interior return	523	0.68	0.50	FAIL
03/21/11	AM032111-02	Crawlspace top of duct	581	1.66	0.50	FAIL
03/21/11	AM032111-03	Furnace #2 interior house supply	630	1.86	0.50	FAIL
03/21/11	AM032111-04	Garage door opening mechanism	500	1.95	0.50	FAIL
03/21/11	AM032111-05	Attic plastic sewer vent stack	523	0.28	0.50	PASS
03/21/11	AM032111-06	Field Blank	Not Detected		0.03	PASS

Area is expressed in square centimeters

Result and Criterion are expressed as µg/100cm<sup>2</sup> (Field blank is reported as absolute mass in µg)

**Table 3**  
**Results of Methamphetamine Wipe Samples**



## Wipe Sample Results

The samples confirm widespread noncompliant concentrations of methamphetamine throughout the structure to within a strong degree of confidence. The samples indicate that the attic is compliant and may be excluded from the remediation process.

## Quality Assurance/Quality Control

The following section is required by regulation and is not intended to be understood by the casual reader. All abbreviations are standard laboratory use, and the data pertains to the attic sample only (since the attic sample is the only sample that can be used for compliance purposes).

## PA Data Set

MDL was 0.004 µg; LOQ was 0.03 µg; MBX <MDL; LCS 0.1 µg (RPD 1%, recovery =99%); Matrix spike 0.020 µg (RPD 10%; recovery 90%); Matrix spike Dup 0.020 µg; (RPD 16%; recovery 85%); Surrogate recovery: High 100% (Sample 6), Low 93% (Sample 3); FACTs reagents: MeOH lot #A1001 <MDL for n=29, >MDL for n=0; Gauze lot G1006 <MDL for n=7, >MDL for n=0. The QA/QC indicate a slight net negative bias and the actual surface methamphetamine concentrations reported for the data asset may be slightly greater than reported here.

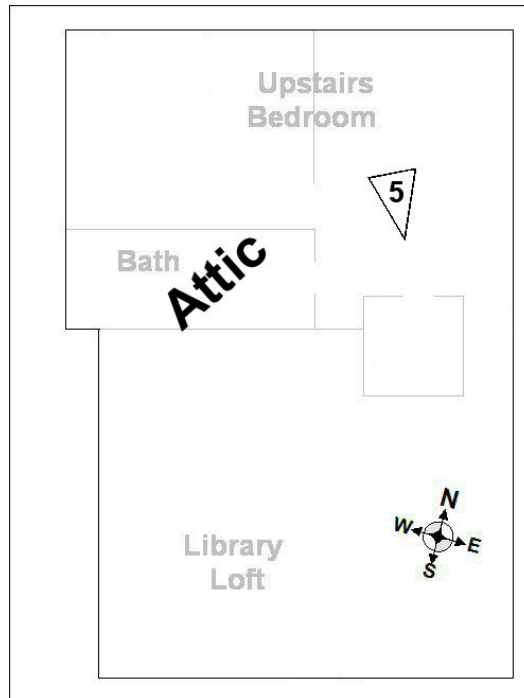
## Sample Locations

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

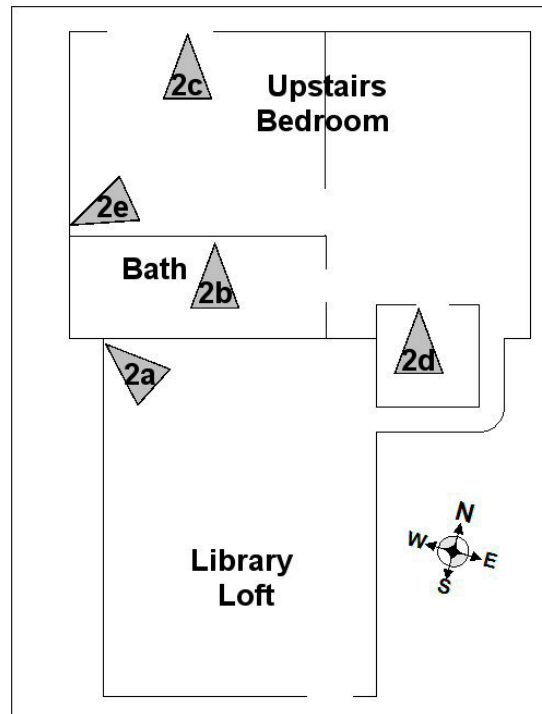
As such, during this project, the Industrial Hygienist selected those areas which had the highest probability of exhibiting the highest concentrations of contamination. Based on our experience, state of the art information on indoor methamphetamine migration patterns and professional judgment, FACTs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

In the figures that follow, the sample locations have been presented. The drawings are stylized and not to scale. In the diagrams, the sample locations are indicated by triangles. Where the identifier has an alpha code, the sample was collected during the cursory evaluation.



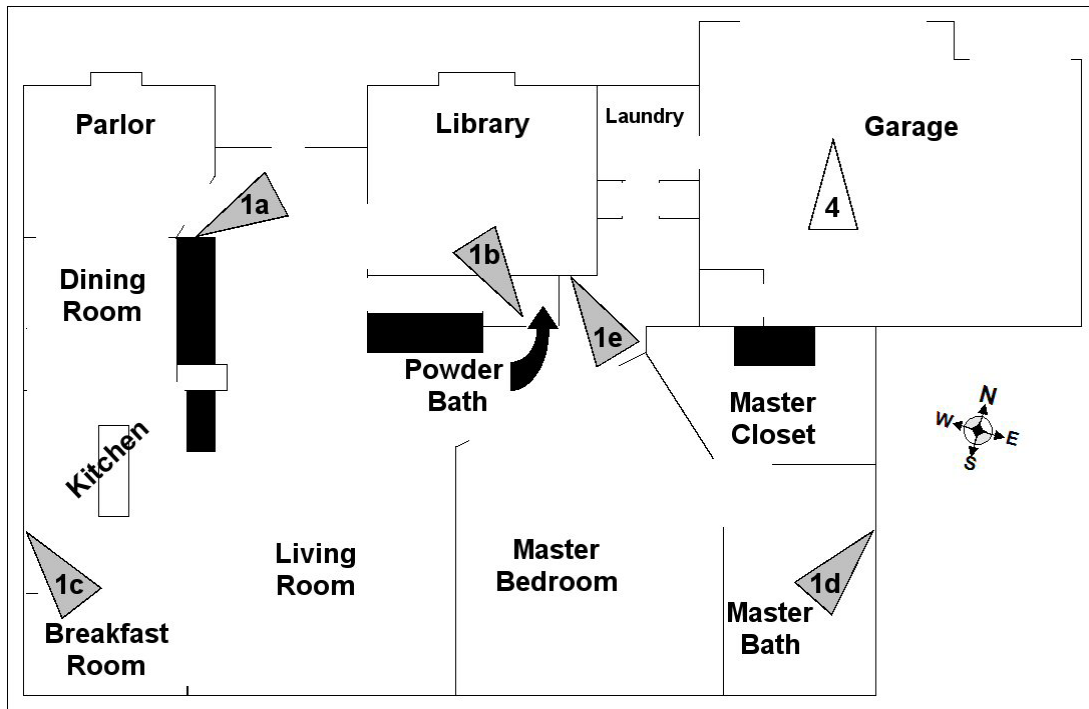


**Figure 3**  
**Attic Sample Location**

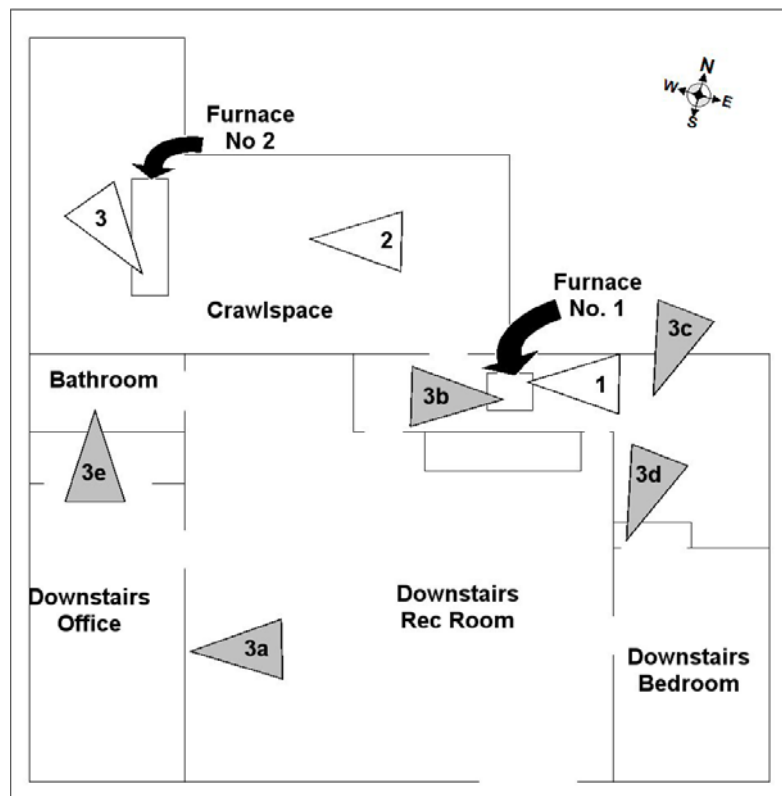


**Figure 4**  
**Top Level Sample Locations**





**Figure 5**  
**Main Level Sample Locations**



**Figure 6**  
**Basement Sample Locations**





## Identification of Cook/Storage Areas

Colorado Regulations 6 CCR 1014-3 (4.2) states that the Industrial Hygienist is required to perform a:

Review of available law enforcement reports that provide information regarding the manufacturing method, chemicals present, cooking areas, chemical storage areas, and observed areas of contamination or waste disposal

In this case, based on the best information available and based on visual indicators, we were not able to confidently identify *if* manufacturing took place at all, nevermind *where* it may have taken place (if at all). Our best assessment at this point is that the widespread contamination is the result of methamphetamine being smoked at the property. Although it is possible to determine if manufacturing occurred, the question of whether or not methamphetamine was actually manufactured is not of regulatory significance.

Methamphetamine is currently being stored at the property on virtually all surfaces in the structure.

## Identification of Contamination Migration

Based on the best information readily available, FACTs was not able to find any indicators that would suggest contamination migration.

## CONCLUSIONS

Based on the totality of the circumstances, including our subjective observations and objective data from sampling, we find that there is insufficient evidence to support the preliminary hypothesis and we accept the null hypothesis and conclude that widespread methamphetamine contamination exists throughout the entire residential structure (but not the attic) of the subject property.

Based on our observations, the entire structure, including all surfaces in the occupiable space, in the garage, in the crawlspace, both furnace systems, but excluding the attic, must be cleaned pursuant to 6 CCR 1014-3.

## RECOMMENDATION

Based on our observations and laboratory results, we recommend standard industry practices for decontamination to be followed. The remediation contractor should be given full responsibility for their own standard operating procedures. The following are provided as guidance and reflect standard practices for the remediation of similar properties. The Governing Body has statutory authority to require a greater degree of decontamination of the subject property.

### ***Universal Site Requirements***

1. With the exception of ceiling fans, to the best extent possible, the contractor shall make every effort to salvage all items at the property. All cabinets, kitchen



fixtures, wood floors, wood cabinetry and other permanent functional and decorative wooden items shall be salvaged where possible.

2. If any items are to be removed, or discarded instead of cleaned, the contractor must provide a complete inventory of such items prior to removal and negotiate such removal with the property owner or their representative.
3. An on-site storage container should be established on the grounds (such as a poly lined and covered roll on—roll off container (ro-ro) or temporary trailer).
4. The on-site container shall be secured with a padlock at all times when not immediately manned by remediation personnel.
5. A licensed contractor, who is trained and experienced in decontamination of illegal drug laboratories, as required by State regulations, should be contracted for the decontamination work. All work performed at the residence should be conducted by an experienced contractor whose employees are documented to have been properly trained in accordance with 29 CFR §1910.120 and Colorado Revised Statute §25-18.5-104; *Entry into illegal drug laboratories*.
6. We recommend the decontamination process be conducted in Level C PPE ensembles with a minimum of half-face APRs or PAPRs.
7. We recommend that a decontamination corridor with showers be established initially at the garage.
8. All remediation work performed at the residence should be conducted under written contract with a reputable remediation company qualified to perform the work.
9. All work performed at the residence should be conducted with open communication and cooperation with the Jefferson County Sheriff's Office, and the Jefferson County Department of Health and Environment.
10. Any evidence of child pornography located onsite shall not be photographed and shall be immediately reported to the Jefferson County Sheriff's Office.
11. Discovery of any controlled substances shall be immediately secured, photographed and reported to the Jefferson County Sheriff's Office.
12. All remediation work should be presumed to be pursuant to Title 29 of the Code of Federal Regulations, §1910.120 until otherwise indicated.
13. The contractor *shall* be contractually obligated to perform personnel air monitoring for methamphetamine for at least one full shift employee per day to allow for support of proper PPE selection.



14. The contractor *should* be contractually obligated to include the personnel air monitoring data in their final documentation.
15. Any contractors (and their subcontractors) should be contractually obligated, through a written contract, to decontaminate the entire subject property to below the statutory limits. Any recleaning required by a contractor (or their subcontractor) pursuant to a failed final assessment should be contractually obligated to be performed at the expense of the contractor.
16. Contractors should be contractually obligated to cover industrial hygiene costs of return visits and sample expenses as a result of a failed final clearance.
17. State regulations prohibit painting or otherwise encapsulating surfaces prior to final clearance sampling by the Industrial Hygienist.
18. Following the decontamination process, and prior to the final clearance sampling by the Industrial Hygienist, the remediation contractor/subcontractor *shall* be contractually obligated to collect a minimum of six QA/QC wipe samples from the subject property, as part of their own QA program, and submit those samples for methamphetamine analysis. The contractor shall be contractually obligated to provide their wipe sampling data (including location of sample, area of sample, and analysis results), to the consulting Industrial Hygienist for review prior to final clearance sampling.
19. If the contractor's six QA/QC samples suggest that contamination in the subject property remains at a concentration in excess of  $0.3 \mu\text{g}/100 \text{ cm}^2$ , the contractor shall be contractually obligated to continue to clean, and sample, until the elevated concentrations are not observed.
20. Once the contractor's samples indicate the contamination has been sufficiently reduced, the Industrial Hygienist shall perform final clearance sampling according to 6-CCR 1014-3.

### ***Decontamination of the Residence***

Due to the elevated concentrations of methamphetamine associated with the property, the ceilings must be addressed and decontaminated. Currently, the State of Colorado prohibits encapsulation, and there is no waiver mechanism in place to obtain variances. It is not likely that the ceiling materials are Asbestos Containing Materials (ACMs), however, such determination is the responsibility of the contractor.

The following decontamination process should take place in this order: (any asbestos abatement notwithstanding):



1. Establish critical barriers for the attic.
2. Establish negative pressure inside the residence pursuant to State regulations. The contractor should visually inspect each critical barrier associated with the attic to ensure proper negative pressure.
3. The contractor shall be required to monitor the negative pressure at all times and ensure that the negative pressure (pressure differential) between the work area and the attics and the furnace system is not less than 0.02 inches of water column at all times.
4. Exhaust from the negative enclosure may take place at any exterior location.
5. No work, except as needed to establish critical barriers, shall begin until negative pressure is established.
6. Negative pressure must be maintained at all times until final sampling has been completed and the written intent to issue a Decision Statement has been issued to the contractor by the consulting Industrial Hygienist.
7. Data logging of negative pressure shall be required which includes the date, time and pressure. In the event that negative pressure is lost for greater than 30 contiguous minutes, the barrier to the attic shall be considered breached, and the attic shall be considered contaminated and shall be cleaned. The contractor shall be responsible for reviewing the pressure data log and reporting any 30 minute period of negative pressure loss to the owner or their representative.
8. The contractor should establish a standard, two-chambered decon and/or bag-out/load-out at the front door, back door or garage door.
9. Except wooden louvered decorative blinds, all window coverings (window blinds) shall be discarded. Wooden louvered decorative blinds shall be salvaged.
10. Although FACTs does not believe that the furnace can be economically decontaminated, the contractor may propose cleaning of the furnace and associated ductwork and decontamination of the ventilation system, or may propose removal *in toto*.
11. All items in the crawlspace must be wiped down in the airlock prior to being transloaded through the airlock. Otherwise unmanageable items shall be bagged and/or wrapped, or otherwise prepared to be transported into the airlock where the outside surface of the bag or wrapping can be wiped down.
12. The crawlspace and the furnace systems should be addressed prior to decontamination of general surfaces within the occupiable spaces.



13. All items (trash and debris) in the crawlspace shall be removed and discarded.
14. The top one inch of dirt shall be excavated and removed from the crawlspace floor.
15. After the dirt has been removed, ALL surfaces in the crawlspace shall be wet wiped.
16. All large household appliances (dishwasher, stove, etc) shall be wiped down and salvaged.
17. Once all items are bagged and/or wrapped, the items can be transported through the airlock and transloaded to the bag-out. At the bag-out, the exterior surfaces of the bags and wrapping should be wiped down, and the bags and items may be discarded.
18. All carpeting and associated padding should be removed and discarded.
19. If any textiles or fabrics remain, they shall be subject to final clearance sampling in accordance with standard industrial hygiene microvacuum sampling procedures.<sup>15</sup>
  - a. The interpretation of the results of the vacuum samples takes into account the surface area sampled, and the mass of material removed from that surface. The laboratory is instructed to weigh and report the mass of debris recovered from the cassette, along with the total mass of methamphetamine in that debris. From this information, we calculate and report a “density” of methamphetamine. The “Density” used here is expressed in units of micrograms of methamphetamine recovered in a unit milligram of removable material per unit area of surface ( $\mu\text{g}^*(\text{mg}/\text{cm}^2)$ ) and is designated with the Greek letter rho ( $\rho$ ). There are no regulatory guidelines by which we may compare densities; the interpretation of the data is exclusively within the realm of professional judgment of the Industrial Hygienist.

In our opinion, based on our database of samples from previous methamphetamine contaminated properties, FACTs has set a qualified density “threshold of concern” of  $0.5\rho$ . That is, where densities exceed  $0.5\rho$ , FACTs makes the qualified statement that in the absence of conflicting information, the material requires decontamination. The value of “0.5” in this case, has no association with the State mandated decision threshold of  $0.5 \mu\text{g}/100\text{cm}^2$  – the resemblance of the two values is purely coincidental.

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<sup>15</sup> For example, see ASTM Method D 5756-02



20. Following the completion of the remediation of the furnaces and crawlspaces, all surfaces in the entire interior space (excluding the attic), including all ceilings, all hanging fixtures, all cabinets (interior and exterior surfaces), all shelving, all floors, doors, hinges, bathtubs, sinks, appliances (interior and exterior surfaces), exterior fireplaces, and every other interior surface whether specifically mentioned or not, shall be thoroughly wiped down to remove residual contamination.

Enclosures: One CD, Data package, and Appendices

~\*END\*





**FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.**

## **APPENDIX A:**

### **SUPPORTING FIELD DOCUMENTS**



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

<b>FACTs project name: Auburn</b>		<b>Form # ML1</b>
<b>Date: March 21, 2011</b>		
<b>Reporting IH:</b>	<b>Caoimhin P. Connell, Forensic IH</b>	

**PROPERTY DESCRIPTION:**

Physical address	12970 W Auburn Ave Lakewood CO 80228 4912
Legal description or VIN	Neighborhood: 3026 - Heritage West {28-4-69} Subdivision: 065900 - Bear Creek Filing No 1 Block 002, Lot 0001, Section 29, Township4, Range 69, Southwest Quarter Section
Registered Property Owner	Aurora Loan Services LLC 10350 Park Meadows Dr Littleton CO 80124
Number of structures	<b>One</b>
Type of Structures	1: Primary Residence 6,385 Square feet
Adjacent and/ or surrounding properties	North: Single family residence South: Greenbelt East: Golf Course West: Street front
General Property Observations	<b>Well kempt, good condition</b>
Presumed Production Method	<b>Pseudoephedrine reduction and/or smoking</b>



**PLUMBING INSPECTION AND INVENTORY**

<b>FACTs project name: Auburn</b>	<b>Form # ML2</b>
<b>Date:</b>	
<b>Reporting IH:</b>	<b>Caoimhin P. Connell, Forensic IH</b>

Functional Space	Room	Fixture	Indicia?	Comments
3	Bathroom # 1	Cistern	N	No comment
3	Bathroom # 1	Sink	N	
3	Bathroom # 1	Toilet	N	
7	Bathroom # 2	Bath	N	
7	Bathroom # 2	E Sink	N	
7	Bathroom # 2	W Sink	N	
7	Bathroom # 3	Toilet	N	
7	Bathroom # 3	Cistern	N	
9	Bathroom # 4	Toilet	N	
9	Bathroom # 4	Cistern	N	
9	Bathroom # 4	Bath	N	
9	Bathroom # 4	Shower	N	
9	Bathroom # 4	Sink	N	
10	Wet Bar	Sink	N	
16	Bathroom # 5	Toilet	N	
16	Bathroom # 5	Cistern	N	
16	Bathroom # 5	Bath	N	
16	Bathroom # 5	Shower	N	
4	Kitchen	Dishwasher	N	
4	Kitchen	Sink #1	N	
6	Laundry Room	Slop sink	N	

**VENTILATION INSPECTION AND INVENTORY**

Item	Y/N	Indicia ?	Sampled ?	Comments
Isolated AHU?	Y	Y	Y	
Common air intake?	N	Not Applicable		
Common bathroom exhausts?	N			
Forced air system?	Y			
Steam heat?	N	Not Applicable		
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	Not Applicable		



**FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.**

**FUNCTIONAL SPACE INVENTORY**

<b>FACTs project name: Auburn</b>		<b>Form # ML3</b>
<b>Date: March 21, 2011</b>		
<b>Reporting IH:</b>	<b>Caoimhin P. Connell, Forensic IH</b>	

Structure Number	Functional Space Number	Indicia (Y/N)	Describe the functional space (See drawings for delineating structural features )
1	1	Y	Foyer, Parlor and Formal Dining Room
1	2	Y	Library (both floors)
1	3	Y	Powder Bathroom
1	4	Y	Kitchen, Kitchen Pantry and Breakfast Room
1	5	Y	Living Room and stairs to second floor
1	6	Y	Laundry Room and Two Hall Closets
1	7	Y	Master Bedroom and Master Bathroom
1	8	Y	Master Walk-in closet
1	9	Y	Basement Bathroom and Toilet
1	10	Y	Basement Recreational Room
1	11	Y	Basement Office
1	12	Y	Basement Furnace Room
1	13	Y	Basement Bedroom
1	14	Y	Crawlspace
1	15	Y	Upstairs Bedroom and Closet
1	16	Y	Upstairs Bathroom
1	17	Y	Attic
1	18	Y	Garage
1	19	Y	Garage studio room



**LAW ENFORCEMENT DOCUMENTATION**

<b>FACTs project name: Auburn</b>		<b>Form # ML4</b>
<b>Date: March 21, 2011</b>		
<b>Reporting IH:</b>	<b>Caoimhin P. Connell, Forensic IH</b>	

Inventory of Reviewed Documents	1: Lakewood PD Address Call History 2: JCSO Address Call History
Described method(s) of production	Not addressed by Law Enforcement
Chemicals identified by the LEA as being present	None
Cooking areas identified	Not addressed by Law Enforcement
Chemical storage areas identified	Not addressed by Law Enforcement
LE Observation on areas of contamination or waste disposal	Not addressed by Law Enforcement



**City of Lakewood****Police Department  
Records Section**445 South Allison Parkway  
Lakewood, Colorado 80226-3105  
303/987-7331 FAX: 303/987-7359

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## **Facsimile Cover Sheet**

Date: **March 21, 2011**  
To: **Forensic Appl. Inc**  
Attn: **C. Connell**

Telephone:  
Fax: 303-568-0489  
Description: 12970 W Auburn Ave

From: **Dan Gooding, Records Technician (5865)**  
Telephone: **303- 987-7335**  
Fax: **303-987-7359**  
Pages Transmitted:

**We have no report for this address. You may want to check with West Metro Fire.**

*Thank you!*

**If you have received this FAX transmission in error, please notify our office immediately, by telephone, to arrange for the return of the transmitted documents. If you are not the intended recipient, you are hereby notified that any use of this information is prohibited.**

**This transmission may contain confidential information protected by state statutes that is intended solely for the use of the addressee.**

**Thank you for your cooperation.**

## FAX COVER SHEET

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TO

---

COMPANY

---

FAX NUMBER 13039877359

---

FROM Caoimhín P. Connell

---

DATE 2011-03-21 14:08:49 GMT

---

RE 12970 W. Auburn Ave. Lakewood, CO 80228

---

### COVER MESSAGE

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Cheers!

Caoimhín P. Connell

Forensic Industrial Hygienist

[\\_www.forensic-applications.com\\_](http://www.forensic-applications.com) (<http://www.forensic-applications.com>)

Forensic Applications, Inc.

185 Bounty Hunter Lane

Bailey, CO 80421

Phone: 303-903-7494

Fax: 303-568-0489

**FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.**

March 21, 2011

Lakewood Police Department  
Records  
City of Lakewood  
480 S. Allison Pkwy,  
Lakewood, CO 80226

Via Fax: 303-987-7359

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 Lakewood at:

**12970 W. Auburn Ave. Lakewood, CO 80228**

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.

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 Lakewood Police Department 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 Lakewood Police Department, such records shall not be used for the direct solicitation of business for pecuniary gain.

Sincerely,

Caoimhin P. Connell  
Forensic Industrial Hygienist



**TED MINK**  
Sheriff

200 Jefferson County Parkway  
Golden, Colorado 80401-2697  
www.jeffcosheriff.com

**RAY FLEER**  
Undersheriff

## FAX COVER SHEET

Date: 3-30-11

Total Number of Pages: 3

Deliver To: C. Connell

Phone#: \_\_\_\_\_ Fax#: 3-5680489

From: RECORDS - LOVERNS

Phone# 3-271-5542 Fax# 3-271-5552

Item Description: RE: Location Search

*We show no reports generated for the past 2 years.*

### DIVISION/UNIT FAX NUMBERS

**EXECUTIVE ADMINISTRATION** ..... 303-271-5307  
Public Information Officer ..... 303-271-5668

**SUPPORT SERVICES DIVISION** ..... 303-271-5318

Accreditation/Staff Inspection ..... 303-271-5180  
Ancillary Services ..... 303-271-5352  
Asset Management ..... 303-271-5318  
Building Maintenance ..... 303-271-5585  
Business Office ..... 303-271-5357  
Civil ..... 303-271-6593  
Communications/Dispatch ..... 303-271-5529  
Counseling ..... 303-271-5356  
Evidence Vault ..... 303-271-5552

Fleet ..... 303-271-5374  
Fugitive ..... 303-271-6593  
Internal Affairs ..... 303-271-5317  
Professional Standards ..... 303-271-5352  
Radio Maintenance ..... 303-271-5375  
Records ..... 303-271-5552  
Recruiting/Training ..... 303-271-5352  
Supply ..... 303-271-5343  
Warrants ..... 303-271-6473

**DETENTION SERVICES DIVISION** ..... 303-271-5403

Accounting ..... 303-271-5468  
Booking ..... 303-271-5561  
Medical ..... 303-271-5432

Transportation ..... 303-271-5454  
Work Release ..... 303-271-5155

**CRIMINAL INVESTIGATIONS DIVISION** ..... 303-271-5600

Criminalistics/Lab ..... 303-271-5696  
Intelligence ..... 303-987-7155  
Property ..... 720-377-2029

Victim Services ..... 303-271-5598  
West Metro Drug Task Force ..... 303-423-2310

**PATROL DIVISION (Administration)** ..... 303-271-5500

Patrol Operations (Mountain) ..... 303-674-6488  
Patrol Operations (North) ..... 303-271-5145  
Patrol Operations (South) ..... 720-377-2028

Critical Incident Response ..... 303-271-4905  
Animal Control ..... 303-271-5075

**FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.**

March 21, 2011

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 Lakewood at:

**12970 W. Auburn Ave. Lakewood, CO 80228**

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.

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,

Caoimhin P. Connell  
Forensic Industrial Hygienist  
CC Lakewood PD, WMDTF





Jefferson County Sheriff's Office  
Calls for Service to : 12970 w auburn ave  
3/30/2009 - 3/30/2011

CARS DW

<u>Date</u>	<u>Event Number</u>	<u>Report Number</u>	<u>Apt</u>	<u>Bldg</u>	<u>Incident Type Description</u>
07/19/2009	LJC090719080480				BURGLARY
11/07/2009	LJC091107126130				ALARM RESIDENTIAL
11/30/2009	LJC091130134645				ALARM RESIDENTIAL
12/24/2009	LJC091224143047				ALARM RESIDENTIAL
01/23/2010	LJC100123008874				ALARM RESIDENTIAL
02/14/2010	LJC100214018719				ALARM RESIDENTIAL
04/25/2010	LJC100425045990				ALARM RESIDENTIAL
08/01/2010	P100098850				ALARMR

\*\*\* End of Report \*\*\*

Search includes all calls to the street address indicated. Apt# and Bldg# are provided when available, however, this data is not always captured at the time a call is dispatched.

**FIELD OBSERVATIONS**

<b>FACTs project name: Auburn</b>		<b>Form # ML5</b>
<b>Date: March 21, 2011</b>		
<b>Reporting IH:</b>	<b>Caoimhin P. Connell, Forensic IH</b>	

Indicator	Functional Space	Indicator	Functional Space
Acids	No Comment	Match components	No Comment
Aerosol cans	No Comment	Mercury	No Comment
Alcohols (MeOH, EtOH)	No Comment	Methamphetamine	All areas
Ammonia	No Comment	Modified coolers/containers	No Comment
Ammunition	No Comment	Modified electrical	No Comment
Artistic expressions	No Comment	Modified plumbing	No Comment
Bags of salt	No Comment	Modified structure	No Comment
Bases	No Comment	Modified ventilation	No Comment
Basters/Pipettes	No Comment	Needles/Syringes	No Comment
Batteries	No Comment	OTC Containers	No Comment
Bi-phasic wastes	No Comment	OTC drugs	No Comment
Booby traps	No Comment	pH papers/indicators	No Comment
Bullet holes	No Comment	Phenyl-2-propanone	No Comment
Burn marks	No Comment	Pornography, Sex toys	No Comment
Cat litter	No Comment	Prescription drugs	No Comment
Chemical storage	No Comment	Presence of cats	No Comment
Colored wastes	No Comment	Propane bottles	No Comment
Corrosion on surfaces	No Comment	Pseudoephedrine	No Comment
Death bag	No Comment	Red P	No Comment
Delaminating paint	No Comment	Red Staining	No Comment
Drug paraphernalia	No Comment	Salters	No Comment
Empty OTC Containers	No Comment	Security devices	No Comment
Ephedrine	No Comment	Signs of violence	No Comment
Feces	No Comment	Smoke detectors disabled	No Comment
Filters	No Comment	Solvents - (organic)	No Comment
Forced entry marks	No Comment	Squalor	No Comment
Gang markings	No Comment	Staining on floors	7
Gas cylinders	No Comment	Staining on walls or ceiling	No Comment
Gerry cans	No Comment	Stash holes	No Comment
Glassware	No Comment	Taping on surfaces	No Comment
Graffiti	No Comment	Tubing	No Comment
Heating mantle/ hot plate	No Comment	Urine containers	No Comment
Hidden items	No Comment	Wall anchors	No Comment
Hydrogen peroxide	No Comment	Wall coverings	No Comment
Iodine	No Comment	Wall damage	1, 4, 5, 7, 10
Lead	No Comment	Weapons	No Comment
Lithium	No Comment	Window block material	No Comment
Marijuana	No Comment	Yellow staining	No Comment

- ① Present but not as indicia
- ② Relative to toluene
- ③ Present in normal household expectations
- ④ Modified in manner consistent with clanlab use



**FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.**

## CONTAMINANT MIGRATION OBSERVATIONS

FACTs project name: Auburn		Form # ML6
Date: March 21, 2011		
Reporting IH:	Caoimhín P. Connell, Forensic IH	

Describe/identify adjacent areas where contaminants may have migrated.

A grid of graph paper with a central white rectangle containing the text "See body of Report". The grid is composed of small squares, and the central rectangle is a larger white area in the upper half of the page. The text is centered within this rectangle.

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

Describe the area:

---

---



**FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.**

# INDIVIDUAL SEWAGE DISPOSAL SYSTEM FIELD FORM

<b>FACTs project name: Auburn</b>		<b>Form # ML7</b>
<b>Date: March 21, 2011</b>		
<b>Reporting IH:</b>	<b>Caoimhin P. Connell, Forensic IH</b>	

	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 or 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		X	
Were calawasi/drum thief samples collected from the septic tank	Not Applicable		

\*NC = Not checked

## Qualitative Organic Vapor Monitoring

Hydrocarbon detector model	EnMet Target Series, MOS detector

Location	MOS*	PID*	FID*
All internal drains and sinks	<1		

\*Units of measurement are in parts per million equivalents compared to the calibration vapor.

## Notes













































Organic vapors were not observed in any drains at concentrations greater than ambient.
Ambient concentrations in the home were somewhat elevated at 2 ppm to 3 ppm;
possibly due to the varnished wood products.



**FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.**

**PRE-REMEDIATION PHOTOGRAPH LOG SHEET**










































<b>FACTs project name: Auburn</b>		<b>Form # ML8</b>
<b>Date: March 21, 2011</b>		
<b>Reporting IH:</b>	<b>Caoimhin P. Connell, Forensic IH</b>	

Name	Date taken	Name	Date taken
 Cursory	3/7/2011 12:45 PM	 Cursory (23)	3/7/2011 12:55 PM
 Cursory (2)	3/7/2011 12:45 PM	 Cursory (24)	3/7/2011 12:56 PM
 Cursory (3)	3/7/2011 12:45 PM	 Cursory (25)	3/7/2011 12:56 PM
 Cursory (4)	3/7/2011 12:46 PM	 Cursory (26)	3/7/2011 12:56 PM
 Cursory (5)	3/7/2011 12:46 PM	 Cursory (27)	3/7/2011 12:56 PM
 Cursory (6)	3/7/2011 12:48 PM	 Cursory (28)	3/7/2011 12:56 PM
 Cursory (7)	3/7/2011 12:48 PM	 Cursory (29)	3/7/2011 12:57 PM
 Cursory (8)	3/7/2011 12:48 PM	 Cursory (30)	3/7/2011 12:57 PM
 Cursory (9)	3/7/2011 12:49 PM	 Cursory (31)	3/7/2011 12:57 PM
 Cursory (10)	3/7/2011 12:49 PM	 Cursory (32)	3/7/2011 12:58 PM
 Cursory (11)	3/7/2011 12:49 PM	 Cursory (33)	3/7/2011 12:58 PM
 Cursory (12)	3/7/2011 12:49 PM	 Cursory (34)	3/7/2011 12:58 PM
 Cursory (13)	3/7/2011 12:50 PM	 Cursory (35)	3/7/2011 12:58 PM
 Cursory (14)	3/7/2011 12:50 PM	 Cursory (36)	3/7/2011 12:59 PM
 Cursory (15)	3/7/2011 12:53 PM	 Cursory (37)	3/7/2011 12:59 PM
 Cursory (16)	3/7/2011 12:53 PM	 Cursory (38)	3/7/2011 12:59 PM
 Cursory (17)	3/7/2011 12:53 PM	 Cursory (39)	3/7/2011 12:59 PM
 Cursory (18)	3/7/2011 12:54 PM	 Cursory (40)	3/7/2011 13:00 PM
 Cursory (19)	3/7/2011 12:54 PM	 Cursory (41)	3/7/2011 13:00 PM
 Cursory (20)	3/7/2011 12:54 PM	 Cursory (42)	3/7/2011 13:00 PM
 Cursory (21)	3/7/2011 12:54 PM	 Cursory (43)	3/7/2011 13:00 PM
 Cursory (22)	3/7/2011 12:55 PM	 Cursory (44)	3/7/2011 13:02 PM

**FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.**

# PRE-REMEDIATION PHOTOGRAPH LOG SHEET

<b>FACTs project name: Auburn</b>		<b>Form # ML8</b>
<b>Date: March 21, 2011</b>		
<b>Reporting IH:</b>	<b>Caoimhin P. Connell, Forensic IH</b>	

Name	Date taken	Name	Date taken
 Cursory (36)	3/7/2011 12:59 PM	 Attic (2)	3/21/2011 15:31 PM
 Cursory (37)	3/7/2011 12:59 PM	 Attic (3)	3/21/2011 15:30 PM
 Cursory (38)	3/7/2011 12:59 PM	 Attic (4)	3/21/2011 15:30 PM
 Cursory (39)	3/7/2011 12:59 PM	 Attic (5)	3/21/2011 15:31 PM
 Cursory (40)	3/7/2011 13:00 PM	 Attic (6)	3/21/2011 15:31 PM
 Cursory (41)	3/7/2011 13:00 PM	 Back hall	3/21/2011 14:02 PM
 Cursory (42)	3/7/2011 13:00 PM	 Back hall (2)	3/21/2011 14:02 PM
 Cursory (43)	3/7/2011 13:00 PM	 Bsmt bath	3/21/2011 14:10 PM
 Cursory (44)	3/7/2011 13:02 PM	 Bsmt bath (2)	3/21/2011 14:10 PM
 Cursory (45)	3/7/2011 13:02 PM	 Bsmt bath (3)	3/21/2011 14:10 PM
 Cursory (46)	3/7/2011 13:03 PM	 Bsmt bath (4)	3/21/2011 14:11 PM
 Cursory (47)	3/7/2011 13:05 PM	 Bsmt bath (5)	3/21/2011 14:11 PM
 Cursory (48)	3/7/2011 13:05 PM	 Bsmt bath (6)	3/21/2011 14:11 PM
 Cursory (49)	3/7/2011 13:05 PM	 Bsmt bath (7)	3/21/2011 14:11 PM
 Cursory (50)	3/7/2011 13:06 PM	 Bsmt bath (8)	3/21/2011 14:11 PM
 Cursory (51)	3/7/2011 13:06 PM	 Bsmt bath (9)	3/21/2011 14:11 PM
 Cursory (52)	3/7/2011 13:07 PM	 Bsmt bath (10)	3/21/2011 14:11 PM
 Cursory (53)	3/7/2011 13:07 PM	 Bsmt bath (11)	3/21/2011 14:11 PM
 Cursory (54)	3/7/2011 13:09 PM	 Bsmt bath (12)	3/21/2011 14:12 PM
		 Bsmt Bdrm	3/21/2011 14:15 PM
		 Bsmt Bdrm (2)	3/21/2011 14:16 PM
		 Bsmt Bdrm (3)	3/21/2011 14:16 PM















































FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.



# PRE-REMEDIATION PHOTOGRAPH LOG SHEET

<b>FACTs project name: Auburn</b>		<b>Form # ML8</b>
<b>Date: March 21, 2011</b>		
<b>Reporting IH:</b>	<b>Caoimhin P. Connell, Forensic IH</b>	













































Name	Date taken	Name	Date taken
 Bsmt Bdrm (4)	3/21/2011 14:16 PM	 Crawlspace (3)	3/21/2011 15:08 PM
 Bsmt Bdrm (5)	3/21/2011 14:16 PM	 Crawlspace (4)	3/21/2011 15:08 PM
 Bsmt Bdrm (6)	3/21/2011 14:16 PM	 Crawlspace (5)	3/21/2011 14:13 PM
 Bsmt Bdrm (7)	3/21/2011 14:16 PM	 Crawlspace (6)	3/21/2011 14:47 PM
 Bsmt Bdrm (8)	3/21/2011 14:16 PM	 Crawlspace (7)	3/21/2011 14:47 PM
 Bsmt office	3/21/2011 14:17 PM	 Crawlspace (8)	3/21/2011 14:49 PM
 Bsmt office (2)	3/21/2011 14:18 PM	 Crawlspace (9)	3/21/2011 14:49 PM
 Bsmt office (3)	3/21/2011 14:18 PM	 Crawlspace (10)	3/21/2011 14:49 PM
 Bsmt office (4)	3/21/2011 14:18 PM	 Crawlspace (11)	3/21/2011 14:49 PM
 Bsmt office (5)	3/21/2011 14:18 PM	 Dining Rm	3/21/2011 13:46 PM
 Bsmt office (6)	3/21/2011 14:18 PM	 Dining Rm (2)	3/21/2011 13:46 PM
 Bsmt office (7)	3/21/2011 14:18 PM	 Dining Rm (3)	3/21/2011 13:47 PM
 Bsmt office (8)	3/21/2011 14:18 PM	 Dining Rm (4)	3/21/2011 13:47 PM
 Bsmt office (9)	3/21/2011 14:18 PM	 Dining Rm (5)	3/21/2011 13:48 PM
 Bsmt office (10)	3/21/2011 14:18 PM	 Dining Rm (6)	3/21/2011 13:48 PM
 Bsmt office	3/21/2011 14:18 PM	 Dining Rm (7)	3/21/2011 13:48 PM
 Bsmt stairs	3/21/2011 14:08 PM	 Dining Rm (8)	3/21/2011 13:48 PM
 Bsmt stairs (2)	3/21/2011 14:11 PM	 Dining Rm (9)	3/21/2011 13:48 PM
 Bsmt stairs (3)	3/21/2011 14:19 PM	 Dining Rm (10)	3/21/2011 13:48 PM
 Bsmt stairs (4)	3/21/2011 14:19 PM	 Dining Rm (11)	3/21/2011 13:48 PM
 Crawlspace	3/21/2011 15:08 PM	 Dining rRm	3/21/2011 13:48 PM
 Crawlspace (2)	3/21/2011 15:08 PM	 Dining-Parlor	3/21/2011 13:50 PM



FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.

# PRE-REMEDIATION PHOTOGRAPH LOG SHEET

<b>FACTs project name: Auburn</b>		<b>Form # ML8</b>
<b>Date: March 21, 2011</b>		
<b>Reporting IH:</b>	<b>Caoimhin P. Connell, Forensic IH</b>	

Name	Date taken	Name	Date taken
 Exterior	3/21/2011 13:41 PM	 Foyer	3/21/2011 13:46 PM
 Exterior (2)	3/21/2011 13:41 PM	 Foyer (2)	3/21/2011 13:46 PM
 Exterior (3)	3/21/2011 13:41 PM	 Foyer (3)	3/21/2011 13:46 PM
 Exterior (4)	3/21/2011 13:41 PM	 Foyer (4)	3/21/2011 13:47 PM
 Exterior (5)	3/21/2011 15:46 PM	 Foyer (5)	3/21/2011 13:48 PM
 Exterior (6)	3/21/2011 15:46 PM	 Foyer (6)	3/21/2011 13:49 PM
 Exterior (7)	3/21/2011 15:46 PM	 Foyer (7)	3/21/2011 13:49 PM
 Exterior (8)	3/21/2011 15:46 PM	 Foyer (8)	3/21/2011 13:50 PM
 Exterior (9)	3/21/2011 15:46 PM	 Foyer (9)	3/21/2011 13:50 PM
 Exterior (10)	3/21/2011 15:46 PM	 Foyer (10)	3/21/2011 13:51 PM
 Exterior (11)	3/21/2011 15:46 PM	 Foyer (11)	3/21/2011 14:09 PM
 exterior (12)	3/21/2011 15:47 PM	 Foyer (12)	3/21/2011 14:09 PM
 Exterior (13)	3/21/2011 15:47 PM	 Foyer (13)	3/21/2011 14:09 PM
 Exterior (14)	3/21/2011 15:47 PM	 Foyer (14)	3/21/2011 14:28 PM
 Exterior (15)	3/21/2011 15:47 PM	 Foyer (15)	3/21/2011 14:28 PM
 Exterior (16)	3/21/2011 15:47 PM	 Foyer (16)	3/21/2011 14:28 PM
 Exterior (17)	3/21/2011 15:47 PM	 Foyer (17)	3/21/2011 14:28 PM
 Exterior (18)	3/21/2011 15:47 PM	 Foyer (18)	3/21/2011 14:28 PM
 Exterior (19)	3/21/2011 15:47 PM	 Foyer (19)	3/21/2011 14:28 PM
 Exterior (20)	3/21/2011 15:48 PM	 Foyer closet	3/21/2011 14:33 PM
 Exterior (21)	3/21/2011 15:48 PM	 Foyer closet (2)	3/21/2011 14:34 PM
 Exterior (22)	3/21/2011 15:49 PM	 Foyer closet (3)	3/21/2011 14:34 PM















































FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.



**PRE-REMEDIATION PHOTOGRAPH LOG SHEET**

<b>FACTs project name: Auburn</b>		<b>Form # ML8</b>
<b>Date: March 21, 2011</b>		
<b>Reporting IH:</b>	<b>Caoimhin P. Connell, Forensic IH</b>	

Name	Date taken	Name	Date taken
 Furnace rm	3/21/2011 14:12 PM	 garage	3/21/2011 14:03 PM
 Furnace rm (2)	3/21/2011 14:12 PM	 garage (2)	3/21/2011 14:03 PM
 Furnace rm (3)	3/21/2011 14:12 PM	 garage (3)	3/21/2011 14:03 PM
 Furnace rm (5)	3/21/2011 14:13 PM	 garage (4)	3/21/2011 14:04 PM
 Furnace rm (6)	3/21/2011 14:13 PM	 garage (5)	3/21/2011 14:04 PM
 Furnace rm (7)	3/21/2011 14:13 PM	 garage (6)	3/21/2011 14:04 PM
 Furnace rm (8)	3/21/2011 14:13 PM	 garage (7)	3/21/2011 14:04 PM
 Furnace rm (9)	3/21/2011 14:14 PM	 garage (8)	3/21/2011 14:04 PM
 Furnace rm (10)	3/21/2011 14:14 PM	 garage (9)	3/21/2011 14:04 PM
 Furnace rm (11)	3/21/2011 14:14 PM	 garage (10)	3/21/2011 14:04 PM
 Furnace rm (12)	3/21/2011 14:14 PM	 garage (11)	3/21/2011 14:04 PM
 Furnace rm (13)	3/21/2011 14:14 PM	 garage (12)	3/21/2011 14:04 PM
 Furnace rm (14)	3/21/2011 14:14 PM	 garage (13)	3/21/2011 14:05 PM
 Furnace rm (15)	3/21/2011 14:14 PM	 garage (14)	3/21/2011 14:05 PM
 Furnace rm (16)	3/21/2011 14:14 PM	 garage (15)	3/21/2011 14:05 PM
 Furnace rm (17)	3/21/2011 14:14 PM	 garage (17)	3/21/2011 14:05 PM
 Furnace rm (18)	3/21/2011 14:15 PM	 Garage studio	3/21/2011 14:05 PM
 Furnace rm (19)	3/21/2011 14:15 PM	 Garage studio (2)	3/21/2011 14:05 PM
 Furnace rm (20)	3/21/2011 14:15 PM	 Garage studio (3)	3/21/2011 14:06 PM
 Furnace rm (21)	3/21/2011 14:15 PM	 Garage studio (4)	3/21/2011 14:06 PM
 Furnace rm (22)	3/21/2011 14:15 PM	 Garage studio (5)	3/21/2011 14:06 PM
 Furnace room	3/21/2011 14:47 PM	 Garage studio (6)	3/21/2011 14:06 PM



**PRE-REMEDIATION PHOTOGRAPH LOG SHEET**

<b>FACTs project name: Auburn</b>		<b>Form # ML8</b>
<b>Date: March 21, 2011</b>		
<b>Reporting IH:</b>	<b>Caoimhin P. Connell, Forensic IH</b>	

Name	Date taken	Name	Date taken
Garage studio (7)	3/21/2011 14:06 PM	Kitchen (17)	3/21/2011 13:52 PM
Hall closet	3/21/2011 14:02 PM	Kitchen (18)	3/21/2011 13:52 PM
Hall closet (2)	3/21/2011 14:02 PM	Kitchen (19)	3/21/2011 13:53 PM
Hall closet (3)	3/21/2011 14:02 PM	kitchen (20)	3/21/2011 13:53 PM
Hall closet (4)	3/21/2011 14:02 PM	Kitchen (21)	3/21/2011 13:53 PM
Hall closet (5)	3/21/2011 14:02 PM	Kitchen (22)	3/21/2011 13:53 PM
Kitchen	3/21/2011 13:51 PM	Kitchen (23)	3/21/2011 13:53 PM
Kitchen (2)	3/21/2011 13:51 PM	Kitchen (24)	3/21/2011 13:53 PM
Kitchen (3)	3/21/2011 13:51 PM	Kitchen (25)	3/21/2011 13:53 PM
Kitchen (4)	3/21/2011 13:51 PM	Laundry	3/21/2011 14:02 PM
Kitchen (5)	3/21/2011 13:51 PM	Laundry (2)	3/21/2011 14:03 PM
Kitchen (6)	3/21/2011 13:52 PM	Laundry (3)	3/21/2011 14:03 PM
kitchen (7)	3/21/2011 13:52 PM	Laundry (4)	3/21/2011 14:03 PM
Kitchen (8)	3/21/2011 13:52 PM	Laundry (5)	3/21/2011 14:03 PM
Kitchen (9)	3/21/2011 13:52 PM	Laundry (6)	3/21/2011 14:03 PM
Kitchen (10)	3/21/2011 13:52 PM	Laundry (7)	3/21/2011 14:03 PM
Kitchen (11)	3/21/2011 13:52 PM	Library	3/21/2011 13:49 PM
Kitchen (12)	3/21/2011 13:52 PM	Library (2)	3/21/2011 13:49 PM
Kitchen (13)	3/21/2011 13:52 PM	Library (3)	3/21/2011 13:49 PM
Kitchen (14)	3/21/2011 13:52 PM	Library (4)	3/21/2011 13:49 PM
Kitchen (15)	3/21/2011 13:52 PM	Library (5)	3/21/2011 13:50 PM
Kitchen (16)	3/21/2011 13:52 PM	Library (6)	3/21/2011 13:50 PM

**FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.**

# PRE-REMEDIATION PHOTOGRAPH LOG SHEET

<b>FACTs project name: Auburn</b>		<b>Form # ML8</b>
<b>Date: March 21, 2011</b>		
<b>Reporting IH:</b>	<b>Caoimhin P. Connell, Forensic IH</b>	

Name	Date taken	Name	Date taken
Library (7)	3/21/2011 13:50 PM	Living rm (18)	3/21/2011 14:27 PM
Library (8)	3/21/2011 14:27 PM	Loft	3/21/2011 13:49 PM
Library (9)	3/21/2011 14:27 PM	Loft (2)	3/21/2011 13:49 PM
Library (10)	3/21/2011 14:27 PM	Loft (3)	3/21/2011 14:25 PM
Library (11)	3/21/2011 14:27 PM	Loft (4)	3/21/2011 14:26 PM
Living Rm	3/21/2011 13:53 PM	loft (5)	3/21/2011 14:26 PM
Living Rm (2)	3/21/2011 13:53 PM	Loft (6)	3/21/2011 14:26 PM
Living Rm (3)	3/21/2011 13:53 PM	Loft (7)	3/21/2011 14:26 PM
Living Rm (4)	3/21/2011 13:54 PM	Loft (8)	3/21/2011 14:26 PM
Living Rm (5)	3/21/2011 13:54 PM	loft (9)	3/21/2011 14:26 PM
Living Rm (6)	3/21/2011 13:54 PM	Loft (10)	3/21/2011 14:26 PM
Living Rm (7)	3/21/2011 13:54 PM	Loft (11)	3/21/2011 14:27 PM
Living Rm (8)	3/21/2011 13:54 PM	Loft (12)	3/21/2011 14:27 PM
Living Rm (9)	3/21/2011 13:54 PM	Loft (13)	3/21/2011 14:27 PM
Living Rm (10)	3/21/2011 13:54 PM	Loft (14)	3/21/2011 14:27 PM
Living Rm (11)	3/21/2011 13:54 PM	Loft (15)	3/21/2011 14:28 PM
Living Rm (12)	3/21/2011 13:54 PM	Loft (16)	3/21/2011 14:28 PM
Living Rm (13)	3/21/2011 13:54 PM	Loft (17)	3/21/2011 14:28 PM
Living Rm (14)	3/21/2011 14:08 PM	Loft (18)	3/21/2011 14:28 PM
Living Rm (15)	3/21/2011 14:08 PM	Loft (19)	3/21/2011 14:33 PM
Living rm (16)	3/21/2011 14:26 PM	Loft (20)	3/21/2011 14:33 PM
Living rm (17)	3/21/2011 14:26 PM	Loft bath	3/21/2011 14:31 PM















































FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.



**PRE-REMEDIATION PHOTOGRAPH LOG SHEET**













































<b>FACTs project name: Auburn</b>		<b>Form # ML8</b>
<b>Date: March 21, 2011</b>		
<b>Reporting IH:</b>	<b>Caoimhin P. Connell, Forensic IH</b>	

Name	Date taken	Name	Date taken
 Loft bath (2)	3/21/2011 14:31 PM	 Loft Bdrm (16)	3/21/2011 14:30 PM
 Loft bath (3)	3/21/2011 14:31 PM	 Loft Bdrm (17)	3/21/2011 14:30 PM
 Loft bath (4)	3/21/2011 14:31 PM	 Loft Bdrm (18)	3/21/2011 14:30 PM
 Loft bath (5)	3/21/2011 14:31 PM	 Loft Bdrm (19)	3/21/2011 14:32 PM
 Loft bath (6)	3/21/2011 14:31 PM	 Loft Bdrm (20)	3/21/2011 14:32 PM
 Loft bath (7)	3/21/2011 14:31 PM	 Loft closet	3/21/2011 14:31 PM
 Loft bath (8)	3/21/2011 14:31 PM	 Loft closet (2)	3/21/2011 14:32 PM
 Loft Bdrm	3/21/2011 14:29 PM	 Loft closet (3)	3/21/2011 14:32 PM
 Loft Bdrm (2)	3/21/2011 14:29 PM	 Loft closet (4)	3/21/2011 14:32 PM
 Loft Bdrm (3)	3/21/2011 14:29 PM	 Loft closet (5)	3/21/2011 14:32 PM
 Loft Bdrm (4)	3/21/2011 14:29 PM	 Loft closet (6)	3/21/2011 14:32 PM
 Loft Bdrm (5)	3/21/2011 14:29 PM	 Loft closet (7)	3/21/2011 14:32 PM
 Loft Bdrm (6)	3/21/2011 14:29 PM	 Loft closet (8)	3/21/2011 14:32 PM
 Loft Bdrm (7)	3/21/2011 14:29 PM	 Loft closet (9)	3/21/2011 14:32 PM
 Loft Bdrm (8)	3/21/2011 14:29 PM	 Loft Hall	3/21/2011 14:33 PM
 Loft Bdrm (9)	3/21/2011 14:29 PM	 Loft Hall (2)	3/21/2011 14:33 PM
 Loft Bdrm (10)	3/21/2011 14:29 PM	 Master bath	3/21/2011 13:58 PM
 Loft Bdrm (11)	3/21/2011 14:30 PM	 Master bath (2)	3/21/2011 13:58 PM
 Loft Bdrm (12)	3/21/2011 14:30 PM	 Master bath (3)	3/21/2011 13:58 PM
 Loft Bdrm (13)	3/21/2011 14:30 PM	 Master bath (4)	3/21/2011 14:00 PM
 Loft Bdrm (14)	3/21/2011 14:30 PM	 Master bath (5)	3/21/2011 14:00 PM
 Loft Bdrm (15)	3/21/2011 14:30 PM	 Master bath (6)	3/21/2011 14:00 PM



**PRE-REMEDIATION PHOTOGRAPH LOG SHEET**

<b>FACTs project name: Auburn</b>		<b>Form # ML8</b>
<b>Date: March 21, 2011</b>		
<b>Reporting IH:</b>	<b>Caoimhin P. Connell, Forensic IH</b>	













































Name	Date taken	Name	Date taken
 Master bath (7)	3/21/2011 14:00 PM	 Master BDRM (10)	3/21/2011 13:57 PM
 Master bath (8)	3/21/2011 14:00 PM	 Master BDRM (11)	3/21/2011 13:57 PM
 Master bath (9)	3/21/2011 14:00 PM	 Master BDRM (12)	3/21/2011 13:59 PM
 Master bath (10)	3/21/2011 14:01 PM	 Master BDRM (13)	3/21/2011 13:59 PM
 Master bath (11)	3/21/2011 14:01 PM	 Master BDRM (14)	3/21/2011 13:59 PM
 Master bath (12)	3/21/2011 14:01 PM	 Master BDRM (15)	3/21/2011 13:59 PM
 Master bath (13)	3/21/2011 14:01 PM	 Master BDRM (16)	3/21/2011 13:59 PM
 Master bath (14)	3/21/2011 14:01 PM	 Master BDRM (17)	3/21/2011 13:59 PM
 Master bath (15)	3/21/2011 14:01 PM	 Master BDRM (18)	3/21/2011 13:59 PM
 Master bath (16)	3/21/2011 14:01 PM	 Master BDRM (19)	3/21/2011 13:59 PM
 Master bath (17)	3/21/2011 14:01 PM	 Master BDRM (20)	3/21/2011 13:59 PM
 Master bath (18)	3/21/2011 14:01 PM	 Master BDRM (21)	3/21/2011 14:00 PM
 Master bath (19)	3/21/2011 14:01 PM	 Master BDRM (22)	3/21/2011 14:00 PM
 Master BDRM	3/21/2011 13:55 PM	 Master closet	3/21/2011 13:57 PM
 Master BDRM (2)	3/21/2011 13:55 PM	 Master closet (2)	3/21/2011 13:57 PM
 Master BDRM (3)	3/21/2011 13:55 PM	 Master closet (3)	3/21/2011 13:57 PM
 Master BDRM (4)	3/21/2011 13:55 PM	 Master closet (4)	3/21/2011 13:58 PM
 Master BDRM (5)	3/21/2011 13:55 PM	 Master closet (5)	3/21/2011 13:58 PM
 Master BDRM (6)	3/21/2011 13:56 PM	 Master closet (6)	3/21/2011 13:58 PM
 Master BDRM (7)	3/21/2011 13:57 PM	 Master closet (7)	3/21/2011 13:58 PM
 Master BDRM (8)	3/21/2011 13:57 PM	 Master closet (8)	3/21/2011 13:58 PM
 Master BDRM (9)	3/21/2011 13:57 PM	 Master closet (9)	3/21/2011 13:58 PM





# PRE-REMEDIATION PHOTOGRAPH LOG SHEET

<b>FACTs project name: Auburn</b>		<b>Form # ML8</b>
<b>Date: March 21, 2011</b>		
<b>Reporting IH:</b>	<b>Caoimhin P. Connell, Forensic IH</b>	

Name	Date taken	Name	Date taken
 Master closet (10)	3/21/2011 13:58 PM	 Rec rm (4)	3/21/2011 14:12 PM
 Master closet (11)	3/21/2011 13:59 PM	 Rec rm (5)	3/21/2011 14:12 PM
 Pantry	3/21/2011 13:51 PM	 Rec rm (6)	3/21/2011 14:13 PM
 Pantry (2)	3/21/2011 13:51 PM	 Rec rm (7)	3/21/2011 14:13 PM
 Pantry (3)	3/21/2011 13:51 PM	 Rec rm (8)	3/21/2011 14:13 PM
 Parlor	3/21/2011 13:47 PM	 Rec rm (9)	3/21/2011 14:13 PM
 Parlor (2)	3/21/2011 13:47 PM	 Rec rm (10)	3/21/2011 14:14 PM
 Parlor (3)	3/21/2011 13:47 PM	 Rec rm (11)	3/21/2011 14:14 PM
 Parlor (4)	3/21/2011 13:47 PM	 Rec rm (12)	3/21/2011 14:15 PM
 Parlor (5)	3/21/2011 13:47 PM	 Rec rm (13)	3/21/2011 14:15 PM
 Parlor (6)	3/21/2011 13:47 PM	 Rec rm (14)	3/21/2011 14:16 PM
 parlor (7)	3/21/2011 13:47 PM	 Rec rm (15)	3/21/2011 14:16 PM
 Parlor (8)	3/21/2011 13:47 PM	 Rec rm (16)	3/21/2011 14:17 PM
 Powder Bath	3/21/2011 13:50 PM	 Rec rm (17)	3/21/2011 14:17 PM
 powder Bath (2)	3/21/2011 13:50 PM	 Rec rm (18)	3/21/2011 14:17 PM
 Powder Bath (3)	3/21/2011 13:50 PM	 Rec rm (19)	3/21/2011 14:17 PM
 Powder Bath (4)	3/21/2011 13:51 PM	 Rec rm (20)	3/21/2011 14:17 PM
 Powder bath (5)	3/21/2011 13:51 PM	 Rec rm (21)	3/21/2011 14:17 PM
 Powder Bath (6)	3/21/2011 13:51 PM	 Rec rm (22)	3/21/2011 14:17 PM
 Rec rm	3/21/2011 14:12 PM	 Rec rm (23)	3/21/2011 14:19 PM
 Rec rm (2)	3/21/2011 14:12 PM	 Rec rm (24)	3/21/2011 14:19 PM
 Rec rm (3)	3/21/2011 14:12 PM	 Sample 3 (2)	3/21/2011 15:05 PM



FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.

**PRE-REMEDIATION PHOTOGRAPH LOG SHEET**

<b>FACTs project name: Auburn</b>		<b>Form # ML8</b>
<b>Date: March 21, 2011</b>		
<b>Reporting IH:</b>	<b>Caoimhin P. Connell, Forensic IH</b>	

Name	Date taken
Sample 3 (3)	3/21/2011 15:06 PM
Sample 3	3/21/2011 15:05 PM
Sample #1 (2)	3/21/2011 14:40 PM
Sample #1 (3)	3/21/2011 14:40 PM
Sample #1 (4)	3/21/2011 14:40 PM
Sample #1 (5)	3/21/2011 14:42 PM
Sample #1 (6)	3/21/2011 14:42 PM
Sample #1 (7)	3/21/2011 14:42 PM
Sample #1 (8)	3/21/2011 14:43 PM
Sample #1 (9)	3/21/2011 14:43 PM
Sample #1 (10)	3/21/2011 14:43 PM
Sample #1 (11)	3/21/2011 14:44 PM
Sample #1	3/21/2011 14:39 PM
Sample #4 (2)	3/21/2011 15:24 PM
Sample #4 (3)	3/21/2011 15:25 PM
Sample #4 (4)	3/21/2011 15:25 PM
Sample #4	3/21/2011 15:24 PM
Sample #5 (2)	3/21/2011 15:28 PM
Sample #5 (3)	3/21/2011 15:29 PM
Sample #5 (8)	3/21/2011 15:31 PM
Sample #5 (9)	3/21/2011 15:31 PM
Sample #5	3/21/2011 15:28 PM

Name	Date taken
Stairs	3/21/2011 13:54 PM
Stairs (2)	3/21/2011 13:54 PM
Stairs (3)	3/21/2011 13:55 PM
Stairs (4)	3/21/2011 13:55 PM
Up stairs	3/21/2011 14:20 PM
Up stairs (2)	3/21/2011 14:20 PM
Up stairs (3)	3/21/2011 14:33 PM
Used Surg gloves	3/21/2011 15:42 PM
Video	
Video.THM	
Video 2	
Video 2.THM	







### **DRAWING OF STORAGE/DISPOSAL AREA(S)**

**FACTs project name: Auburn**

Form # ML11

**Date: March 21, 2011**

### Reporting IH:

**Caoimhín P. Connell, Forensic IH**

A large grid of graph paper with a central white rectangular area containing the text "See body of Report". The grid is composed of small squares, and the central area is a larger rectangle with a black border. The text is centered within this central area.

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

Describe the area: \_\_\_\_\_

---

---

---



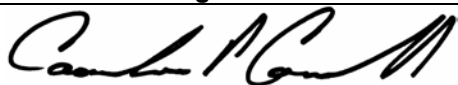

**FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.**



**CERTIFICATION, VARIATIONS AND SIGNATURE SHEET**

<b>FACTs project name: Auburn</b>	<b>Form # ML14</b>
<b>Date: March 31, 2011</b>	
<b>Reporting IH:</b>	<b>Caoimhín P. Connell, Forensic IH</b>

## 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.	XXXXXXXXXXXXXXXXXXXXXX
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:

No variations.

**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: March 31, 2011

**FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.**



**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:	Auburn	Form # ML15
Date	March 31, 2011	
Reporting IH:	Caoimhín P. Connell, Forensic IH	

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 144 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 US NHTSA, and 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" and is currently ARIDE Certified.

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 condominiums. Mr. Connell has conducted over 240 assessments in illegal drug labs in Colorado, Nebraska and Oklahoma, and collected over 2,075 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.

**185 BOUNTY HUNTER'S LANE, BAILEY, COLORADO 80421  
PHONE: 303-903-7494 [www.forensic-applications.com](http://www.forensic-applications.com)**



**FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.**

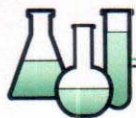
## **APPENDIX B**

### **ANALYTICAL REPORTS FOR FACTS SAMPLES**

FACTS project name:	Auburn	Form #	ML17	A1001
Date:	March 21, 2011	Alcohol Lot#:	1DQ	Gauze Lot#:
Reporting IH:	Caoimhín P. Connell, Forensic IH	Preliminary	X	Intermediate
				Final

(inches)  
" 4  
(cm)  
(cm)  
(inches)

#02 - 10% under sampled  
#03 - 25% under sampled - Access through crawl space  
~~#04~~ 04 - 25% under sampled  
~~#05~~ 05 - Access through upstairs Bedroom closet



# ANALYTICAL CHEMISTRY INC.

Established in 1979

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

Website: [www.acilabs.com](http://www.acilabs.com)

Phone: 206-622-8353

E-mail: [info@acilabs.com](mailto:info@acilabs.com)

<b>Lab Reference:</b>	11124-01
<b>Date Received:</b>	March 25, 2011
<b>Date Completed:</b>	March 29, 2011

March 29, 2011

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

**CLIENT REF:** Auburn

**SAMPLES:** wipes/6

**ANALYSIS:** Methamphetamine by Gas Chromatography-Mass Spectrometry.

**RESULTS:** in total micrograms (ug)

<b>Sample</b>	<b>Methamphetamine, ug</b>	<b>% Surrogate Recovery</b>
AM032111-01	3.57	97
AM032111-02	8.69	97
AM032111-03	8.77	93
AM032111-04	7.32	98
AM032111-05	1.48	96
AM032111-06	< 0.030	100
QA/QC Method Blank	< 0.004	
QC 0.100 ug Standard	0.099	
QA 0.020 ug Matrix Spike	0.018	
QA 0.020 ug Matrix Spike Duplicate	0.017	
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](http://www.acilabs.com)

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

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

<b>SAMPLING DATE:</b> March 21, 2011		<b>REPORT TO:</b> Caoimhín P. Connell		<b>ANALYSIS REQUESTED</b>											
<b>PROJECT Name/No:</b> Auburn		<b>COMPANY:</b> Forensic Applications, Inc.		1 Methamphetamine											
<b>eMail:</b> Fiostrach@aol.com		<b>ADDRESS:</b> 185 Bounty Hunters Lane, Bailey, CO 80421		2 Use entire contents											
<b>SAMPLER NAME:</b> Caoimhín P. Connell		<b>PHONE:</b> 303-903-7494		3 Normal Turn-around time											
				4 RUSH											
				5 Weigh and report in mg											
				6 Not Submitted											
<b>LAB Number</b>	<b>Sample Number</b>	<b>SAMPLE MATRIX</b>			<b>ANALYSIS REQUESTS</b>						<b>SAMPLER COMMENTS</b>	<b>LAB COMMENTS</b>	<b>No of Containers</b>		
		<b>Wipe</b>	<b>Vacuum</b>	<b>Other</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>					
	AM032111-01	X			X	X	X								1
	AM032111-02	X			X	X	X								1
	AM032111-03	X			X	X	X								1
	AM032111-04	X			X	X	X								1
	AM032111-05	X			X	X	X								1
	AM032111-06	X			X	X	X								1
<b>CHAIN OF CUSTODY RECORD</b>															
<b>PRINT NAME</b>		<b>Signature</b>	<b>COMPANY</b>	<b>DATE</b>	<b>TIME</b>	<b>Turnaround Time</b>		<b>Custody Seals:</b>		<b>Total Number of Containers (verified by laboratory)</b>		<b>No</b>			
Caoimhín P. Connell			FACTS, Inc.	3/21/2011		<input type="checkbox"/> 24 Hours (2X)		<input type="checkbox"/> 2 Days (1.75X)		<input checked="" type="checkbox"/> Total µg		<input checked="" type="checkbox"/> Yes		<input type="checkbox"/> No	
MIA SAZON			ACI	3/25/11	1340	<input type="checkbox"/> 3 Days (1.5X)		<input checked="" type="checkbox"/> Routine				<input type="checkbox"/> Intact		<input type="checkbox"/> Broken	
												<input type="checkbox"/> Ambient		<input type="checkbox"/> Cooled	
												<input type="checkbox"/> Inspected By:		MIA SAZON	
												<input checked="" type="checkbox"/> Lab File No.		11124-01	





**FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.**

## **APPENDIX C**

### **COMPACT DIGITAL DISK (PHOTOGRAPHS AND ADDITIONAL DOCUMENTATION)**