



**FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.**

**Preliminary Assessment  
of an  
Identified Illegal Drug Laboratory  
at  
4386 Eldridge Street  
Morrison, CO 80465**

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## EXECUTIVE SUMMARY

On Thursday, September 16, 2010, personnel from Forensic Applications Consulting Technologies, Inc. (FACTs) were contracted to perform a standard cursory evaluation for the presence of methamphetamine at a residence located at 4386 Eldridge Street, Morrison, CO, (the subject property).

Samples taken during the cursory evaluation conclusively demonstrated the presence of methamphetamine contamination, and, pursuant to Colorado Revised Statutes CRS §25-18.5-101 (2.7) and CRS §16-13-103, the residence and all remaining personal items therein met the definition of an “illegal drug laboratory.” On September 22, 2010, FACTs issued a report of these findings.

On September 29, 2010, personnel from FACTs were contracted by the registered owner and performed a State mandated Preliminary Assessment pursuant to Colorado Regulation 6 CCR 1014-43, Part 4. Based on the results of these tests and 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 September 22, 2010 report detailing the findings of the September 16, 2010 cursory evaluation sampling.
- An illegal drug lab, as that term is defined in CRS §25-18.5-101, existed at the subject property from at least September 16, 2010 forward, and continues to exist at the time of this report.
- A Class 1 Public Nuisance, as defined in CRS §16-13-303(1) existed at the subject property from September 16, 2010 forward, and continues to exist at the time of this report.
- Following the decontamination activities, post-decontamination sampling must occur to confirm the efficacy of the decontamination and to issue a Decision Statement before reentry or occupancy of the subject property may occur.
- The Preliminary Assessment was conducted by Mr. Caoimhín P. Connell, Forensic Industrial Hygienist, and was assisted by Ms. Christine Carty, technician.<sup>1</sup>

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<sup>1</sup> Ms. Carty has 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.





# REGULATORY REQUIREMENTS

## ***Federal Requirements***

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

## ***State Requirements***

### **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 Preliminary Assessment, and those findings, enter the public domain and are not subject to confidentiality.<sup>2</sup>

The Preliminary Assessment 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 “Preliminary Assessment” pursuant to those regulations. Included with this discussion is a read-only digital disc. The disc contains mandatory information and photographs required by State regulation for a Preliminary Assessment. This Preliminary Assessment is not complete without the disc and all associated support documents.

Pursuant to CRS §25-18.5-105, the subject property was deemed a “public health nuisance.” Pursuant to CRS §16-13-303, the subject property, and all of its contents, was 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).

### **Discovery and Notification**

Discovery and Notification occurred at the subject property by virtue of the September 22, 2010 report of findings written by FACTs and submitted to the registered home owner.

### **Preliminary Hypothesis**

During the Preliminary Assessment, the initial hypothesis is made that the subject area is clean and data will be collected to find support for this hypothesis. Any reliable data that fails to support the hypothesis, including police records, visual clues of illegal production,

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

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



storage, or use of methamphetamine, 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 Preliminary Assessment; 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>

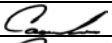



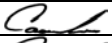

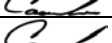

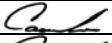



*Identification and documentation of areas of contamination. This identification may be based on visual observation, law enforcement reports, proximity to chemical storage areas, waste disposal areas, or cooking areas, or based on professional judgment of the consultant; or the consultant may determine 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, 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 residence as non-compliant.

### Elements of the Preliminary Assessment

Specific mandatory information must be presented as part of the Preliminary Assessment (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	

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

<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



§8.11	Description of the sampling procedures and QA/QC	<i>Carl</i>
§8.12	Analytical Description and Laboratory QA/QC	<i>Carl</i>
§8.13	Location and results of initial sampling with drawings	<i>Carl</i>
§8.14	FACTs health and safety procedures in accordance with OSHA	<i>Carl</i>
§8.15 - §8.19	These sections are not applicable to a Preliminary Assessment	
§8.20	FACTs Pre-remediation photographs and log	<i>Carl</i>
	FACTs Post-remediation photographs and log	NA
§8.21	FACTs SOQ	<i>Carl</i>
§8.22	Certification of procedures, results, and variations	<i>Carl</i>
§8.23	Mandatory Certification Language	<i>Carl</i>
§8.24	Signature Sheet	<i>Carl</i>
NA	Analytical Laboratory Reports	<i>Carl</i>
	FACTs final closeout inventory document	NA
	FACTs Field Sampling Forms	<i>Carl</i>

**Table 1 (Continued)**  
**Inventory of Mandatory Elements and Documentation**

### Subject Structure

The primary residential structure, which is the subject of this report, was listed by the Jefferson County Assessor's Office as a 2,555 square foot ranch house built *circa* 1977. For the purposes of regulatory compliance, traditionally non-taxable spaces (such as the garage and exterior shed) must be included in the assessment. Therefore, for the purposes of this Preliminary Assessment, the approximate total square feet of impacted floor space is listed as 3,079feet and sampling requirements must be based on this value.

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



**Figure 1**  
**General Site Layout**



## **Review of Law Enforcement Documentation**

As part of the Preliminary Assessment, FACTs is required by regulation<sup>6</sup> to review available law enforcement documents pertinent to a subject property. During this project, personnel at the Jefferson County Sheriff's Office exhibited the highest level of professionalism and cooperated with the requirements of our Preliminary Assessment. In addition to the information provided by a search of the call history, personnel from JCSO informed FACTs that none of the information available indicated law enforcement action involving controlled substances at the subject property.

## ***Town of Morrison***

By virtue of Resolution 2006-14,<sup>7</sup> the Town of Morrison deferred the office of the Governing Body to the Jefferson County Department of Health and Environment.

## ***Jefferson County***

### **Governing Body**

The "Governing Body" as defined in CRS §25-18.5-101 for this subject property is:

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

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

As part of the Preliminary Assessment, on September 29, 2010, Mr. Caoimhín P. Connell, Forensic Industrial Hygienist with FACTs, performed a visual inspection of the subject property. During the visual inspection no attempt was made to open boxes, drawers, bags, jars, or other containers.

Pursuant to regulatory requirements, the subject property was assigned into "functional spaces," and an indicia inventory and assessment was performed for each functional space.

The property was essentially in an "unoccupied" condition but contained residual chattels, heavy debris, filth, and major appliances. A detailed discussion of the visual inspection is found below and in the attached appendices.

To protect the property owner against the introduction of contaminants into the subject property, the Industrial Hygienist and his Technician donned fresh Tyvek<sup>®</sup> suits and booties upon entering the property. All equipment brought into the subject property was

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

<sup>7</sup> October 17, 2006



staged at or near the front door. The ladder FACTs used during this assessment had been cleaned at a car wash prior to use.

## FUNCTIONAL SPACE SUMMARY

During a Preliminary Assessment, the Industrial Hygienist is required by regulation to divide a subject property 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 form ML5, included in the appendix of this report. For evaluation purposes, the following Functional Spaces have been identified and are addressed below:

<b>Structure Number</b>	<b>Functional Space Number</b>	<b>Describe the functional space</b> (See drawings for delineating structural features )
1	1	Living room
1	2	Kitchen and Dining room
1	3	Fireplace room
1	4	Foyer, Foyer hall, Laundry room
1	5	Garage
1	6	Foyer hall bathroom
1	7	Basement stairs
1	8	Basement and furnace room
1	9	Stairway to second floor, hallway and closet
1	10	Second floor bathroom
1	11	Second floor northeast bedroom and closet
1	12	Second floor southeast bedroom and closet
1	13	Second floor southwest bedroom and closet
1	14	Attic North
1	15	Attic South
1	16	Furnace system
2	17	Exterior shed

**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



## **Structure Number 1- Main Residence**

### **Functional Space 1: Living Room**

This space is delineated as the term is commonly used. Characteristically for this property, this space was in a state of extreme distress. Squalor and filthy conditions are consistent with illegal drug laboratories and are used as nonconclusive supporting indicators. That is, it is possible to have filthy conditions in a property that is not an illegal drug laboratory, but it is unusual for an illegal drug laboratory to not exhibit filthy and squalid conditions.

In addition to the squalor, this area contained several other visual indicators of an illegal drug laboratory including red and yellow staining on walls and carpet, aerosol cans in unusual locations, and chemical storage.

### **Functional Space 2: Kitchen and Dining Room**

Used here as the terms are commonly understood, these areas contained several visual indicators of an illegal drug laboratory including two hot plates, chemical storage, biphasic wastes, yellow staining, red staining, squalor and filth. These areas were part of the original composite sample which indicated that methamphetamine concentrations were in the range of 7 to 15 times in excess of the regulatory threshold limits.

### **Functional Space 3: Fireplace Room**

This is the recreation room located to the south of the dining room. This area was part of the original composite sample which indicated that methamphetamine concentrations were in the range of 7 to 15 times in excess of the regulatory threshold limits.

This room contained several indicators of methamphetamine production including profound yellow staining on the south wall consistent with an iodine release commonly encountered with the Red-P pseudoephedrine reduction method of methamphetamine production.

This area also contained extreme filth, squalor and unusual modifications to the walls and structure.

### **Functional Space 4: Foyer, Foyer Hall, Laundry Room**

This is the space one enters when entering the structure from the west (main) door. It consists of an hallway which leads to the foyer bathroom and the garage. This area was part of the original composite sample which indicated that methamphetamine concentrations were in the range of 7 to 15 times in excess of the regulatory threshold limits.

This space contains several visual indicators consistent with illegal drug laboratories including unusual modifications to the walls and structure, forced entry marks, extreme filth and neglect.



## **Functional Space 5: Garage**

Used as that term is commonly known, the garage is an attached double-wide structure.

In violation of Colorado Revised Statutes §25-18.5-104 and CRS §25-18.5-104(3), personal belongings were unlawfully removed from this area after the date of notification. Specifically, a methamphetamine contaminated vehicle was removed. Photographs of the vehicle are found in the cursory evaluation photographs.

We attempted to clear this area from remediation based on final clearance sampling protocols. A sample collected from this space indicated methamphetamine concentrations approximately four times greater than the highest permitted concentration. Therefore, the garage could not be excluded from the remediation process.

## **Functional Space 6: Foyer Bath**

This is the garden level bathroom. This area was part of the original composite sample which indicated that methamphetamine concentrations in excess of the regulatory threshold limits.

This space also included several visual indicators consistent with illegal drug laboratories, including unusual modifications to plumbing, squalor, neglect and staining.

## **Functional Space 7: Basement Stairwell**

This functional space is the stairwell leading to the basement. This area contained several nonconclusive visual indicators including filth, squalor, and unusual modifications to the walls and structure.

## **Functional Space 8: Basement**

The basement, similar to the rest of the house contained feces, squalor, and was in a state of extreme distress. The area also contained other visual indicators including unusual modifications to walls and structure.

In addition to a wet bar and small recreation room, the basement also houses the furnace system fan.

## **Functional Space 9: Second Floor Stairway**

This stairway is a thermal bypass between the garden level of the structure and the upper floor and south attic. This functional space also includes the hallway into the three bedrooms.

The space was in extreme distress and contained several indicators including staining, damage to walls, filth and squalor.



### **Functional Space 10: Second Floor Bath**

This is the common bathroom for the second floor. The bathroom was squalid and contained several visual indicators including damage to doors, walls and structure, and staining.

### **Functional Space 11: Northeast Bedroom**

This is the bedroom and closet that occupies the northeast corner of the second floor. The room contained several visual indicators including unusual security devices, forced entry marks, signs of violence, squalor, and filth.

### **Functional Space 12: Southeast Bedroom**

The room contained several visual indicators including forced entry marks, signs of violence, squalor, and filth.

### **Functional Space 13: Master Bedroom**

The room contained several visual indicators including forced entry marks, signs of violence, squalor, and filth.

### **Functional Space 14: North Attic**

The attic is defined as the term is commonly used. The attic includes a small area over the kitchen and living room. There were no visual indicators in this space. A discreet final verification sample collected from this space indicated that, although this attic contains methamphetamine, the concentration is below the statutory limit requiring remediation. Therefore, this space can be excluded from the remediation plan.

### **Functional Space 15: South Attic**

The attic is defined as the term is commonly used. The attic includes an area over the bedrooms/bath and upstairs hallway. There were no visual indicators in this space. A discreet final verification sample collected from this space indicated that, although this attic contains methamphetamine, the concentration is below the statutory limit requiring remediation. Therefore, this space can be excluded from the remediation plan.

### **Functional Space 16: Furnace**

Although arguably not a functional space *per se*, the sample collected from the interior duct of a supply vent for the furnace indicated that methamphetamine contamination in that system was not significantly elevated. As such, based on the best information available, the furnace system can be excluded from the remediation plan.

Extreme care must be exercised by the remediation contractor to isolate the furnace system and to document constant negative pressure in the work area. If the contractor cannot demonstrate continuous positive pressure in the ductwork and furnace system, the furnace system shall be deemed contaminated at the end of the project and subjected to final verification sampling.





## Functional Space 17: Exterior Shed

The exterior shed, to the north side of the residence, is a common kit-type garden shed. The shed was largely devoid of personal belongings. The only appropriate sample location in this functional space was the multiple metal joist cleats. Each joist cleat had a slightly different exposed area. Thus it was impossible to meet the language of the regulation for this space, and to meet the minimum surface area requirements, FACTs collected a sample from 17 cleat surfaces. The sample collected from this functional space was the only sample collected from this property that had methamphetamine concentrations below the analytical detection limit.

## EXTERIOR GROUNDS

Although not truly a functional space *per se*, the exterior grounds were assessed independently. Although we observed evidence of widespread stressed vegetation, we concluded that the damage done to the yard was due to overt neglect. We did not observe any indicators that would suggest the exterior grounds were adversely affected by controlled substance activities or release of waste materials.

We did observe visual indicators that nonconclusive items, consistent with methamphetamine production, were located in the back yard.

## SEWERAGE SYSTEM

The Jefferson County Assessor's Office indicates the subject property is on city water and city sewer. Therefore, no inspection of an exterior sewer system, septic tank or leach field was made.

## SAMPLE COLLECTION

### *Wipe Samples*

The samples collected throughout the subject property comprised of "discreet" samples and composites. Discreet samples are a single wipe, collected from a single area, and submitted for analysis as a unique location. Composite samples are wipes (usually five) that are collected from more than one location, and combined into a single analysis that represents several areas.

### **Methamphetamine**

Preliminary Assessment wipe samples were collected in a manner consistent with State regulations. The wipe sample medium was individually wrapped commercially available Johnson & Johnson™ gauze pads. Each gauze material was assigned a lot number for quality assurance and quality control (QA/QC) purposes and recorded on a log of results. Each pad was moistened with reagent grade methyl alcohol. Each batch of alcohol was assigned a lot number for QA/QC purposes and recorded on a log of results. Each proposed sample area was delineated with a measured outline.



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

A field blank was submitted pursuant to regulation. The blank was submitted “blind” meaning the analyzing laboratory had no indication that one or more of the samples may be QA/QC related.

### **Cross Contamination**

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

### **Collection Rationale**

#### **Primary Objective**

It is a common misconception that the Industrial Hygienist is required to collect samples during a Preliminary Assessment of an illegal drug lab; 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 facie* evidence during final verification activities in the absence of all other information. During a Preliminary Assessment, there is no *de minimis* concentration of



methamphetamine below which a statement of compliance can be made in the absence of final verification sampling. Although State regulation does not require samples to be collected during a Preliminary Assessment, as part of this Preliminary Assessment, samples were collected.

The data quality objectives of the samples collected during the Preliminary Assessment were to determine, within the context of the regulation, whether or not specific areas, such as the two attics and the shed, could be excluded from the remediation process. Based on those sample results, we were able to exclude the two attics, the furnace interior and the exterior shed.

## Sample Results

### Methamphetamine

The results of the methamphetamine samples are summarized in the table below.

Sample ID	Location	Area	Result	Decision Level	Status
EM091610-01A	Kitchen top of light	6.45	3.34	0.10	FAIL
EM091610-01B	Recreation room top of fireplace mantle	6.45			
EM091610-01C	Landing bathroom interior of exhaust fan	6.45			
EM091610-01D	Garage top of door rail	6.45			
EM091610-01E	Recreation room return duct grille	6.45			
EM091610-02A	US Bath top of thermostat	6.45	0.25	0.10	FAIL
EM091610-02B	US SE Bedroom top of clothes hanger rail	6.45			
EM091610-02C	Basement top of hanging light	6.45			
EM091610-02D	US NE Bedroom supply duct grille	6.45			
EM091610-02E	Basement top of water softener	6.45			
EM092910-01	Attic North	523	0.038	0.50	PASS
EM092910-02	Attic South	523	0.087	0.50	PASS
EM092910-03	Furnace system, duct interior in wet bar	523	0.030	0.50	PASS
EM092910-04	Shed, metal cleats	620	<0.005	0.50	PASS
EM092910-05	Field Blank	NA	<0.030	0.030	PASS
EM092910-06	Garage top of S door-rail	516	1.750	0.50	FAIL

Area is expressed in square centimeters

Result and Decision Level are expressed as µg/100cm<sup>2</sup> (Field blanks are reported as absolute mass)

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

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

### Wipe Sample Results

In the above table, the shaded samples (prefix EM091610) are the samples that were collected pursuant to Colorado's Real Estate methamphetamine disclosure and testing statute as described by CRS §38-35.7-103(2)(a). As such, these samples were not subject to the regulatory sampling requirements of 6 CCR 1014-3. Nevertheless, the Industrial Hygienist is required by regulation to incorporate those sample results into the Preliminary Assessment, and the decision making process.



## Quality Assurance/Quality Control

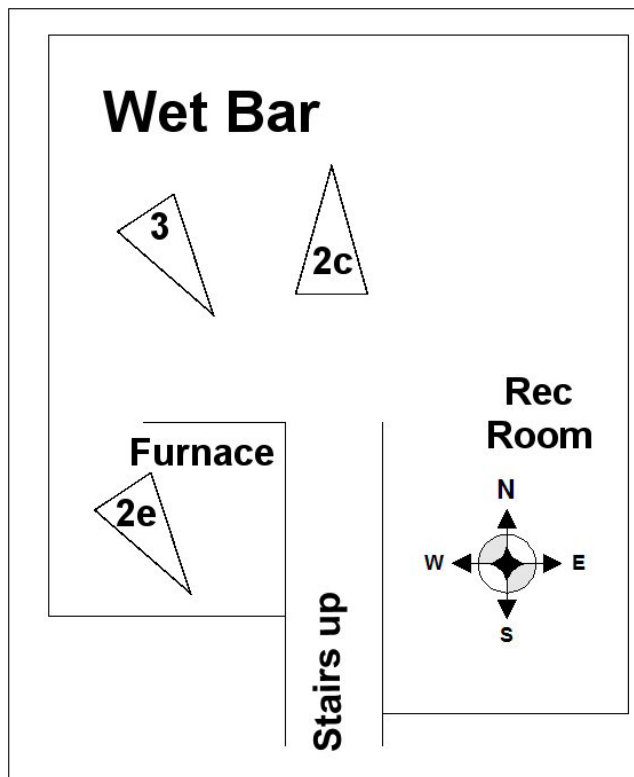
The following section is required by regulation and is not intended to be understood by the casual reader. All abbreviations are standard laboratory use.

## Data Set

MDL was 0.004 µg; LOQ was 0.03 µg; MBX <MDL; LCS 100 µg (RPD 7%, recovery =107%); Matrix spike 0.020 µg (RPD <1%; recovery 100%); Matrix spike Dup 0.020 µg; (RPD 18%; recovery 120%); Surrogate recovery: High 106% (Sample 3), Low 82% (Sample 2); FACTs reagents: MeOH lot #A1001 <MDL for n=9 and >MDL for n=0; Gauze lot G1004 <MDL for n=14 and >MDL for n=1. The QA/QC indicate that one spike is flagged for an out of tolerance recovery (120%). The out of tolerance recovery does not significantly impact the confidence of the data, and the data do not appear to exhibit a significant bias.

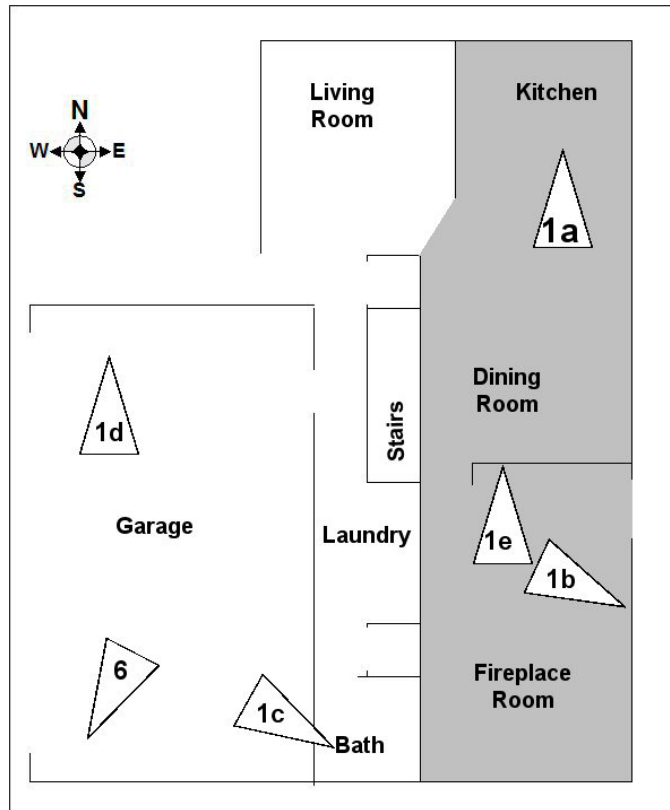
## Sample Locations

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 indicated by triangles were collected during the Preliminary Assessment, and those indicated by arrows were collected during the cursory evaluation.

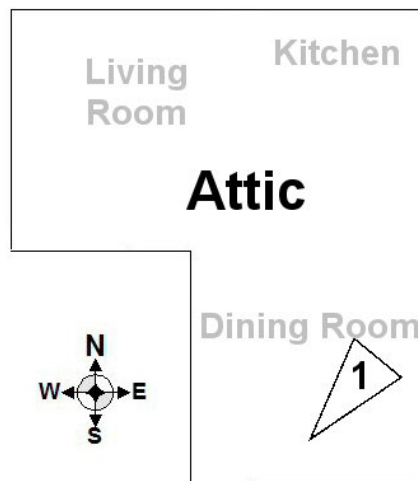


**Figure 2**  
**Sample Locations Basement**



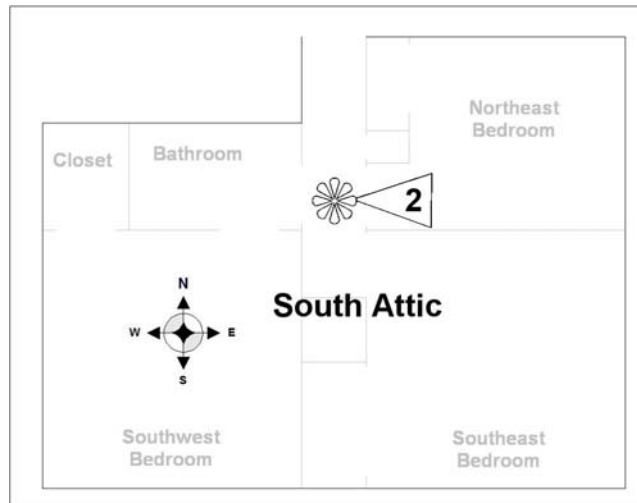


**Figure 3**  
**Sample Locations Main Floor**



**Figure 4**  
**Sample Location North Attic**





**Figure 5**  
**Sample Location South Attic**

### **Identification of Cook/Storage Areas**

Based on our sampling results, our observations and the totality of circumstances, we believe that the methamphetamine production occurred in the kitchen and in the fireplace room (shaded areas, in the drawings above.) Chemical storage occurred throughout the residence as described in the appended documents.

### **Identification of Contamination Migration**

Based on our visual assessment, we believe there was an high probability that contamination migrated off-site, especially as a result of personal items and vehicles being removed from the contaminated area and, through the public sewer system.

We did not observe any indications of contamination in the surrounding soils.

## **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 presence exists throughout the residential structure and garage of the subject property.

Based on our observations, the entire structure, excluding the exterior shed, the two attics, and the furnace system must be subjected to remediation consistent with the regulatory requirements.

## **RECOMMENDATIONS**

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***

Based on our observations and laboratory results, we recommend standard industry practices for decontamination be followed. The remediation contractor should be given full responsibility for implementing their own standard operating procedures. The following are provided as guidance only 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.

1. Due to squalid conditions and the possibility of sharps present at the subject property, the remediation contractor should have a bloodborne pathogens program in place pursuant to the requirements of Title 29 CFR §1910.1030. The contractor should also be aware of the unusually elevated endotoxins exposures anticipated at the site.
2. The contractor shall establish and maintain a sharps injury log for the recording of percutaneous injuries from contaminated sharps. The information in the sharps injury log shall be recorded and maintained in such a manner as to protect the confidentiality of the injured employee. The sharps injury log shall contain, at a minimum: A) The type and brand of device involved in the incident, B) The work area where the exposure incident occurred, and C) an explanation of how the incident occurred. The requirement to establish and maintain a sharps injury log shall apply regardless of any other mandatory compliance issues 29 CFR §1904.
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. Employees should be prohibited from handling unknown debris by hand without appropriate sharps gloves.



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 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 three 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 three QA/QC samples suggest that contamination in the subject property remains at a concentration in excess of  $0.25 \mu\text{g}/100 \text{ cm}^2$ , 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 should 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 possible that the ceiling materials are Asbestos Containing Materials (ACMs).

Any and all disturbance of asbestos containing materials (ACMs or PACMs) in the subject property must be in accordance with State and Federal Regulations.

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

1. Establish critical barriers for the entire furnace system and the two attics.
2. Establish negative pressure inside the residence pursuant to State regulations. The contractor should visually inspect each critical barrier associated with the attics, ducting and furnace and 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. The contractor should establish a standard, two-chambered decon and/or bag-out/load-out at the front door or garage door.



8. Carefully bag and remove all clothing, debris and other items from the property. Liquid wastes from the kitchen and elsewhere shall be subjected to haz-cat and lab-packed, or neutralized, pursuant to RCRA if necessary.
9. If the contractor discovers items of notable value, that can be economically salvaged (such as power tools, hand tools, coin collections, jewelry, statuary, high quality electronics, notable furniture), the contractor shall notify the registered property owner for guidance. Otherwise, all chattels in the residence and garage are scheduled to be discarded without decontamination.
10. Window coverings (window blinds) shall be discarded.
11. All large household appliances (dishwasher, clothes dryer, etc) shall be wiped down and salvaged.
12. 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.
13. All bathroom exhaust fans shall be removed and discarded.
14. All carpeting and associated padding should be removed and discarded.
15. If any textiles or fabrics remain, they shall be subject to final clearance sampling in accordance with standard industrial hygiene microvacuum sampling procedures.<sup>9</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 will be 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, FACTs will calculate and report a “density” of methamphetamine. The “density” used here is expressed in units of micrograms of methamphetamine recovered per 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, if the

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<sup>9</sup> For example, see ASTM Method D 5756-02



methamphetamine density in, say, the carpet exceeds 0.5  $\rho$ , FACTs will make the unqualified statement that, in the absence of conflicting information, the material requires further 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.

16. Following the removal of interior contents, all surfaces in the entire interior space (excluding the attics), 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\*”



## **APPENDIX A:**

### **SUPPORTING FIELD DOCUMENTS**



**FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.  
CLANDESTINE METHAMPHETAMINE LABORATORY  
ASSESSMENT FIELD FORMS<sup>©</sup>**

<b>FACTs project name: Eldridge</b>	<b>Form # ML1</b>
<b>Date: September 29, 2010</b>	
<b>Reporting IH:</b>	<b>Caoimhin P. Connell, Forensic IH</b>

**PROPERTY DESCRIPTION:**

Physical address	4386 S. Eldridge St Morrison CO 80465-1028		
Legal description or VIN	Schedule: 135233; Parcel ID: 59-071-14-010; Neighborhood: 4032 (Friendly Hills), Block 009, Lot 0012, Section 7, Township 5, Range 69, Subdivision: 258400 - Friendly Hills Flg # 8		
Registered Property Owner	MARTIN H HANSON 11301 Navajo Circle, #B Westminster, CO 80234		
Number of structures	<b>Two</b>		
Type of Structures (Each affected structure will need a "Functional Space" inventory)	Residential structure	2,983	Square feet
	Exterior shed	96	Square feet
			Square feet
			Square feet
			Square feet
Adjacent and/ or surrounding properties	North: Residential structure		
	South: Residential structure		
	East: Residential structure		
	West: Street front and open land		
General Property Observations	<b>Extreme dilapidation</b>		
Presumed Production Method	<b>Red-P pseudoephedrine reduction</b>		

**PLUMBING INSPECTION AND INVENTORY**

<b>FACTs project name: Eldridge</b>	<b>Form # ML2</b>
<b>Date: September 29, 2010</b>	
<b>Reporting IH:</b>	<b>Caoimhin P. Connell, Forensic IH</b>

Functional Space	Room	Fixture	Indicia?	Comments
2	Kitchen	Dishwasher		NA
2	Kitchen	North Sink	N	No staining, no corrosion
2	Kitchen	South Sink	N	No staining, no corrosion
4	Laundry Room	Slop sink	NA	NA
4	Laundry Room	Washing machine	Y	NA
6	Bathroom # 1	Shower	Y	Corrosion on interior drain
6	Bathroom # 1	Sink 1	Y	Staining
6	Bathroom # 1	Toilet	Y	Damaged –cistern missing
8	Wet Bar	Sink	Y	Heavy staining, corrosion, debris
10	Bathroom # 2	Shower/Bath	N	No staining, no corrosion
10	Bathroom # 2	Sink	N	No staining, no corrosion
10	Bathroom # 2	Toilet	N	No staining, no corrosion

**VENTILATION INSPECTION AND INVENTORY**

Item	Y/N	Indicia ?	Sampled ?	Comments
Isolated AHU?	Y	Y		No further comment, see body of report
Common air intake?	N	NA		
Common bathroom exhausts?	N			
Forced air system?	Y	Y	Y	
Steam heat?	N	NA		
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	Y	Y	See body of report
Pressurized structure?	N	NA		No further comment



**FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.**

**FUNCTIONAL SPACE INVENTORY**

<b>FACTs project name: Eldridge</b>		<b>Form # ML3</b>
<b>Date: September 29, 2010</b>		
<b>Reporting IH:</b>	<b>Caoimhin P. Connell, Forensic IH</b>	

Structure Number	Functional Space Number	Describe the functional space (See drawings for delineating structural features )
1	1	Living room
1	2	Kitchen and Dining room
1	3	Fireplace room
1	4	Foyer, Foyer hall, Laundry room
1	5	Garage
1	6	Foyer hall bathroom
1	7	Basement stairs
1	8	Basement and furnace room
1	9	Stairway to second floor, hallway and closet
1	10	Second floor bathroom
1	11	Second floor northeast bedroom and closet
1	12	Second floor southeast bedroom and closet
1	13	Second floor southwest bedroom and closet
1	14	Attic North
1	15	Attic South
1	16	Furnace system
2	17	Exterior shed

**FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.**

**LAW ENFORCEMENT DOCUMENTATION**

<b>FACTs project name: Eldridge</b>	<b>Form # ML4</b>
<b>Date: September 29, 2010</b>	
<b>Reporting IH:</b>	<b>Caoimhin P. Connell, Forensic IH</b>

Inventory of Reviewed Documents	Sept 27, 2010 address, call history search by JCSO records division
Described method(s) of production	No documents available
Chemicals identified by the LEA as being present	No documents available
Cooking areas identified	No documents available
Chemical storage areas identified	No documents available
LE Observation on areas of contamination or waste disposal	No documents available







**TED MINK**  
Sheriff

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

**RAY FLEER**  
Undersheriff

## FAX COVER SHEET

Date: 9-27-10 Total Number of Pages: 3  
 Deliver To: Cadimir Conell Phone#: \_\_\_\_\_ Fax#: 3-568-0489  
 From: Vicky Walter Phone#: 303-271-5342 Fax#: \_\_\_\_\_  
 Item Description: 4386 Eldridge St.

### 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	Fleet .....	303-271-5374
Ancillary Services .....	303-271-5352	Fugitive .....	303-271-6593
Asset Management .....	303-271-5318	Internal Affairs.....	303-271-5317
Building Maintenance .....	303-271-5585	Professional Standards.....	303-271-5352
Business Office.....	303-271-5357	Radio Maintenance .....	303-271-5375
Civil.....	303-271-6593	Records .....	303-271-5552
Communications/Dispatch .....	303-271-5529	Recruiting/Training.....	303-271-5352
Counseling.....	303-271-5356	Supply .....	303-271-5343
Evidence Vault .....	303-271-5552	Warrants.....	303-271-6473

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

Accounting .....	303-271-5468	Transportation.....	303-271-5454
Booking .....	303-271-5561	Work Release.....	303-271-5155
Medical.....	303-271-5432		

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

Criminalistics/Lab .....	303-271-5696	Victim Services.....	303-271-5598
Intelligence .....	303-987-7155	West Metro Drug Task Force .....	303-423-2310
Property .....	720-377-2029		

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

Patrol Operations (Mountain).....	303-674-6488	Critical Incident Response .....	303-271-4905
Patrol Operations (North).....	303-271-5145	Animal Control .....	303-271-5075
Patrol Operations (South).....	720-377-2028		

**FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.**

September 27, 2010

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

Via Fax: 303-271-5552

Dear Records:

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

**4386 Eldridge Street, Morrison, CO 80465**

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

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

We will be performing the on-site assessment on October 1, 2010, and will need to review any available documents before then. We apologize for the short notice, however, we generally do not have any control over the timeframes involved.

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

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

Sincerely,

Caoimhin P. Connell  
Forensic Industrial Hygienist

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



Jefferson County Sheriff's Office  
Calls for Service to : 4386 S Eldridge St  
9/27/2005 - 9/27/2010

CARS DW

<u>Date</u>	<u>Event Number</u>	<u>Report Number</u>	<u>Apt</u>	<u>Bldg</u>	<u>Incident Type Description</u>
05/01/2007	LJC070501047444				CITIZEN CONTACT
11/20/2009	LJC091120130961				THEFT

\*\*\* 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.

*No information re 4386 Eldridge St.*

*I ran under 4386 S Eldridge St -  
and the above event occurred. Theft related.*

*No report made*

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

**FIELD OBSERVATIONS**

<b>FACTs project name: Eldridge</b>	<b>Form # ML5</b>
<b>Date: September 29, 2010</b>	
<b>Reporting IH:</b>	<b>Caoimhin P. Connell, Forensic IH</b>

**Structure: One**

Indicator	Functional Space	Indicator	Functional Space
Acids	2,5	Lithium	No Comment
Aerosol cans	1,2,3,5	Marijuana	No Comment
Alcohols (MeOH, EtOH)	5	Match components	No Comment
Ammonia	No Comment	Mercury	No Comment
Ammunition	No Comment	Methamphetamine	All spaces
Artistic expressions	No Comment	Modified coolers/containers	5④
Bags of salt	8	Modified electrical	1,4
Bases	No Comment	Modified structure	1 through 13
Basters/Pipettes	No Comment	Modified ventilation	2
Batteries	5①	Needles/Syringes	No Comment
Bi-phasic wastes	2	OTC Containers	No Comment
Booby traps	No Comment	OTC drugs	No Comment
Bullet holes	No Comment	pH papers/indicators	No Comment
Burn marks	1,2,3,9	Phenyl-2-propanone	No Comment
Cat litter	1,5②	Pornography, Sex toys	No Comment
Chemical storage	1,2,3,5,8①	Prescription drugs	No Comment
Colored wastes	2	Presence of cats	1 through 13
Corrosion on surfaces	2,3	Propane bottles	5①
Death bag	No Comment	Pseudoephedrine	No Comment
Delaminating paint	1,2,3,10	Red P	No Comment
Drug paraphernalia	No Comment	Red Staining	1,2,3,7,8
Empty OTC Containers	No Comment	Salters	No Comment
Ephedrine	No Comment	Security devices	No Comment
Feces	1 through 13	Signs of violence	1 through 13
Filters	No Comment	Smoke detectors disabled	1,2
Forced entry marks	3,4,5,10,11,12,13	Solvents - (organic)	2,5
Gang markings	No Comment	Squalor	1 through 13
Gas cylinders	No Comment	Staining on floors	1 through 13
Gerry cans	5①	Staining on walls or ceiling	1 through 13
Glassware	2	Stash holes	4
Graffiti	No Comment	Structure damage	1 through 13
Heating mantle or hot plate	2(x2)	Tubing	No Comment
Hidden items	No Comment	Urine containers	No Comment
Hydrogen peroxide	No Comment	Weapons	No Comment
Iodine	No Comment	Window block material	1,2,3,4,11,12,13
Lead	5①	Yellow staining	1,3,4,7,8,9,10

① Present but not as indicia

② Copious or unusual quantities

③ Present in normal household expectations

④ Modified in manner consistent with clanlab use

**FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.**



# INDIVIDUAL SEWAGE DISPOSAL SYSTEM FIELD FORM

<b>FACTs project name: Eldridge</b>	<b>Form # ML7</b>
<b>Date: September 29, 2010</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	NA		
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			
Were organic vapors measured in the septic tank (if "yes" see below)			
Is sampling of the ISDS warranted			
Were calawasi/drum thief samples collected from the septic tank			

\*NC = Not checked

## Qualitative Organic Vapor Monitoring

Instrument Type	Make and Model
Hydrocarbon detector	EnMet Target Series, MOS detector
This line is blank	
This line is blank	
This line is blank	

Location	MOS*	PID*	FID*
All internal sinks and drain lines	<1 ppm	NA	
General ambient air	<1 ppm		

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

Locator Notes:













































None



FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.

# PRE-REMEDIATION PHOTOGRAPH LOG SHEET

<b>FACTs project name: Eldridge</b>		<b>Form # ML8</b>
<b>Date: September 29, 2010</b>		
<b>Reporting IH:</b>	<b>Caoimhin P. Connell, Forensic IH</b>	













































Name	Date taken	Name	Date taken
 Attic	9/29/2010 12:58 PM	 Basement wet bar (5)	9/29/2010 12:44 PM
 Attic (2)	9/29/2010 12:58 PM	 Basement wet bar (6)	9/29/2010 12:44 PM
 Attic (3)	9/29/2010 12:58 PM	 Basement wet bar (7)	9/29/2010 12:45 PM
 Attic (4)	9/29/2010 12:59 PM	 Basement wet bar (8)	9/29/2010 12:45 PM
 Attic (5)	9/29/2010 12:59 PM	 Basement wet bar (9)	9/29/2010 12:45 PM
 Attic (6)	9/29/2010 12:59 PM	 Basement wet bar (10)	9/29/2010 12:45 PM
 Attic (7)	9/29/2010 12:59 PM	 Basement wet bar (11)	9/29/2010 12:45 PM
 Attic (8)	9/29/2010 12:59 PM	 Basement wet bar (12)	9/29/2010 12:45 PM
 Attic (9)	9/29/2010 12:59 PM	 Basement wet bar (13)	9/29/2010 12:45 PM
 Attic (10)	9/29/2010 13:00 PM	 Basement wet bar (14)	9/29/2010 12:45 PM
 Attic (11)	9/29/2010 13:00 PM	 Basement wet bar (15)	9/29/2010 12:45 PM
 Attic (12)	9/29/2010 13:01 PM	 Basement wet bar (16)	9/29/2010 12:45 PM
 Basement	9/29/2010 12:44 PM	 Basement wet bar (17)	9/29/2010 12:46 PM
 Basement (2)	9/29/2010 12:44 PM	 Basement wet bar (18)	9/29/2010 12:46 PM
 Basement (3)	9/29/2010 12:44 PM	 Basement wet bar (19)	9/29/2010 12:46 PM
 Basement (4)	9/29/2010 12:44 PM	 Basement wet bar (20)	9/29/2010 12:46 PM
 Basement stairs	9/29/2010 12:46 PM	 Basement wet bar (21)	9/29/2010 12:46 PM
 Basement stairs (2)	9/29/2010 12:49 PM	 Basement wet bar (22)	9/29/2010 12:46 PM
 Basement wet bar	9/29/2010 12:44 PM	 Basement wet bar (23)	9/29/2010 12:47 PM
 Basement wet bar (2)	9/29/2010 12:44 PM	 Basement wet bar (24)	9/29/2010 12:47 PM
 Basement wet bar (3)	9/29/2010 12:44 PM	 Basement wet bar (25)	9/29/2010 12:47 PM
 Basement wet bar (4)	9/29/2010 12:44 PM	 Basement wet bar (26)	9/29/2010 12:47 PM





# PRE-REMEDIATION PHOTOGRAPH LOG SHEET

<b>FACTs project name: Eldridge</b>		<b>Form # ML8</b>
<b>Date: September 29, 2010</b>		
<b>Reporting IH:</b>	<b>Caoimhin P. Connell, Forensic IH</b>	

Name	Date taken	Name	Date taken
 Basement wet bar (27)	9/29/2010 12:47 PM	 Duct interior (2)	9/29/2010 13:38 PM
 Basement wet bar (28)	9/29/2010 12:47 PM	 Duct interior (3)	9/29/2010 13:38 PM
 Basement wet bar (29)	9/29/2010 12:47 PM	 Duct interior (4)	9/29/2010 13:38 PM
 Basement wet bar (30)	9/29/2010 12:48 PM	 Duct interior (5)	9/29/2010 13:41 PM
 Basement wet bar (31)	9/29/2010 12:48 PM	 Duct interior (6)	9/29/2010 13:41 PM
 Basement wet bar (32)	9/29/2010 12:48 PM	 Exterior	9/29/2010 11:41 AM
 Basement wet bar (33)	9/29/2010 12:48 PM	 Exterior (2)	9/29/2010 11:50 AM
 Basement wet bar (34)	9/29/2010 12:48 PM	 Exterior (3)	9/29/2010 11:50 AM
 Basement wet bar (35)	9/29/2010 12:49 PM	 Exterior (4)	9/29/2010 11:52 AM
 DS Bath	9/29/2010 12:42 PM	 Exterior (5)	9/29/2010 11:52 AM
 DS Bath (2)	9/29/2010 12:42 PM	 Exterior (6)	9/29/2010 11:52 AM
 DS Bath (3)	9/29/2010 12:42 PM	 Exterior (7)	9/29/2010 11:55 AM
 DS Bath (4)	9/29/2010 12:42 PM	 Exterior (8)	9/29/2010 11:55 AM
 DS Bath (5)	9/29/2010 12:42 PM	 Exterior (9)	9/29/2010 11:55 AM
 DS Bath (6)	9/29/2010 12:42 PM	 Exterior (10)	9/29/2010 11:56 AM
 DS Bath (7)	9/29/2010 12:42 PM	 Exterior (11)	9/29/2010 11:57 AM
 DS Bath (8)	9/29/2010 12:42 PM	 Exterior (12)	9/29/2010 12:10 PM
 DS Bath (9)	9/29/2010 12:42 PM	 exterior (13)	9/29/2010 13:44 PM
 DS Bath (10)	9/29/2010 12:42 PM	 exterior (14)	9/29/2010 13:44 PM
 DS Stairs	9/29/2010 12:43 PM	 exterior (15)	9/29/2010 13:44 PM
 DS Stairs (2)	9/29/2010 12:43 PM	 exterior (16)	9/29/2010 13:44 PM
 Duct interior	9/29/2010 13:37 PM	 exterior (17)	9/29/2010 13:44 PM















































FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.



**PRE-REMEDIATION PHOTOGRAPH LOG SHEET**













































<b>FACTs project name: Eldridge</b>		<b>Form # ML8</b>
<b>Date: September 29, 2010</b>		
<b>Reporting IH:</b>	<b>Caoimhin P. Connell, Forensic IH</b>	

Name	Date taken	Name	Date taken
 exterior (18)	9/29/2010 13:44 PM	 exterior (40)	9/29/2010 13:50 PM
 exterior (19)	9/29/2010 13:44 PM	 exterior (41)	9/29/2010 13:50 PM
 exterior (20)	9/29/2010 13:44 PM	 exterior (42)	9/29/2010 14:04 PM
 exterior (21)	9/29/2010 13:44 PM	 exterior (43)	9/29/2010 14:04 PM
 exterior (22)	9/29/2010 13:44 PM	 exterior (44)	9/29/2010 14:04 PM
 exterior (23)	9/29/2010 13:44 PM	 exterior (45)	9/29/2010 14:04 PM
 exterior (24)	9/29/2010 13:44 PM	 exterior (46)	9/29/2010 14:04 PM
 exterior (25)	9/29/2010 13:44 PM	 exterior (47)	9/29/2010 14:04 PM
 exterior (26)	9/29/2010 13:44 PM	 exterior (48)	9/29/2010 14:04 PM
 exterior (27)	9/29/2010 13:44 PM	 exterior (49)	9/29/2010 14:04 PM
 exterior (28)	9/29/2010 13:44 PM	 exterior (50)	9/29/2010 14:04 PM
 exterior (29)	9/29/2010 13:45 PM	 exterior (51)	9/29/2010 14:04 PM
 exterior (30)	9/29/2010 13:45 PM	 exterior (52)	9/29/2010 14:04 PM
 exterior (31)	9/29/2010 13:45 PM	 Exterior (53)	9/29/2010 13:45 PM
 exterior (32)	9/29/2010 13:45 PM	 Fireplace Rm	9/29/2010 12:16 PM
 exterior (33)	9/29/2010 13:45 PM	 Fireplace Rm (2)	9/29/2010 12:16 PM
 exterior (34)	9/29/2010 13:45 PM	 Fireplace Rm (3)	9/29/2010 12:16 PM
 exterior (35)	9/29/2010 13:45 PM	 Fireplace Rm (4)	9/29/2010 12:16 PM
 exterior (36)	9/29/2010 13:45 PM	 Fireplace Rm (5)	9/29/2010 12:16 PM
 exterior (37)	9/29/2010 13:45 PM	 Fireplace Rm (6)	9/29/2010 12:16 PM
 exterior (38)	9/29/2010 13:45 PM	 Fireplace Rm (7)	9/29/2010 12:16 PM
 exterior (39)	9/29/2010 13:50 PM	 Fireplace Rm (8)	9/29/2010 12:16 PM



**PRE-REMEDIATION PHOTOGRAPH LOG SHEET**

<b>FACTs project name: Eldridge</b>		<b>Form # ML8</b>
<b>Date: September 29, 2010</b>		
<b>Reporting IH:</b>	<b>Caoimhin P. Connell, Forensic IH</b>	

Name	Date taken	Name	Date taken
 Fireplace Rm (9)	9/29/2010 12:16 PM	 Front Hall (6)	9/29/2010 12:29 PM
 Fireplace Rm (10)	9/29/2010 12:17 PM	 Front Hall (7)	9/29/2010 12:29 PM
 Fireplace Rm (11)	9/29/2010 12:17 PM	 Front Hall (8)	9/29/2010 12:29 PM
 Fireplace Rm (12)	9/29/2010 12:17 PM	 Front Hall (9)	9/29/2010 12:29 PM
 Fireplace Rm (13)	9/29/2010 12:17 PM	 Front Hall (10)	9/29/2010 12:29 PM
 Fireplace Rm (14)	9/29/2010 12:17 PM	 Front Hall (11)	9/29/2010 12:29 PM
 Fireplace Rm (15)	9/29/2010 12:17 PM	 Front Hall (12)	9/29/2010 12:29 PM
 Fireplace Rm (16)	9/29/2010 12:17 PM	 Front Hall (13)	9/29/2010 12:29 PM
 Fireplace Rm (17)	9/29/2010 12:17 PM	 Front Hall (14)	9/29/2010 12:41 PM
 Fireplace Rm (18)	9/29/2010 12:17 PM	 Front Hall (15)	9/29/2010 12:42 PM
 Fireplace Rm (19)	9/29/2010 12:17 PM	 Front hall (16)	9/29/2010 12:42 PM
 Fireplace Rm (20)	9/29/2010 12:18 PM	 Front Hall (17)	9/29/2010 12:42 PM
 Fireplace Rm (21)	9/29/2010 12:18 PM	 Front Hall (18)	9/29/2010 12:43 PM
 Fireplace Rm (22)	9/29/2010 12:18 PM	 Front Hall (19)	9/29/2010 12:49 PM
 Fireplace Rm (23)	9/29/2010 12:18 PM	 Front Hall (20)	9/29/2010 12:49 PM
 Front Door	9/29/2010 12:12 PM	 Front Hall (21)	9/29/2010 12:50 PM
 Front Door (2)	9/29/2010 12:13 PM	 Front Hall (22)	9/29/2010 12:50 PM
 Front Hall	9/29/2010 12:28 PM	 Front Hall (23)	9/29/2010 12:50 PM
 Front Hall (2)	9/29/2010 12:28 PM	 Front Hall (24)	9/29/2010 12:50 PM
 Front Hall (3)	9/29/2010 12:28 PM	 Furnace room	9/29/2010 12:46 PM
 Front Hall (4)	9/29/2010 12:28 PM	 Furnace room (2)	9/29/2010 12:46 PM
 Front Hall (5)	9/29/2010 12:28 PM	 Furnace room (3)	9/29/2010 12:46 PM



# PRE-REMEDIATION PHOTOGRAPH LOG SHEET

<b>FACTs project name: Eldridge</b>		<b>Form # ML8</b>
<b>Date: September 29, 2010</b>		
<b>Reporting IH:</b>	<b>Caoimhin P. Connell, Forensic IH</b>	

Name	Date taken	Name	Date taken
Furnace room (4)	9/29/2010 12:47 PM	Garage (21)	9/29/2010 12:39 PM
Furnace room (5)	9/29/2010 12:47 PM	Garage (22)	9/29/2010 12:39 PM
Garage	9/29/2010 12:29 PM	Garage (23)	9/29/2010 12:39 PM
Garage (2)	9/29/2010 12:29 PM	Garage (24)	9/29/2010 12:39 PM
Garage (3)	9/29/2010 12:29 PM	Garage (25)	9/29/2010 12:39 PM
Garage (4)	9/29/2010 12:30 PM	Garage (26)	9/29/2010 12:39 PM
Garage (5)	9/29/2010 12:30 PM	Garage (27)	9/29/2010 12:39 PM
Garage (6)	9/29/2010 12:30 PM	Garage (28)	9/29/2010 12:40 PM
Garage (7)	9/29/2010 12:30 PM	Garage (29)	9/29/2010 12:40 PM
Garage (8)	9/29/2010 12:30 PM	Garage (30)	9/29/2010 12:40 PM
Garage (9)	9/29/2010 12:30 PM	Garage (31)	9/29/2010 12:40 PM
Garage (10)	9/29/2010 12:30 PM	Garage (32)	9/29/2010 12:40 PM
Garage (11)	9/29/2010 12:31 PM	Garage (33)	9/29/2010 12:40 PM
Garage (12)	9/29/2010 12:31 PM	Garage (34)	9/29/2010 12:40 PM
Garage (13)	9/29/2010 12:31 PM	Garage (35)	9/29/2010 12:40 PM
Garage (14)	9/29/2010 12:31 PM	Garage (36)	9/29/2010 12:41 PM
Garage (15)	9/29/2010 12:31 PM	Garage (37)	9/29/2010 12:41 PM
Garage (16)	9/29/2010 12:38 PM	Garage (38)	9/29/2010 12:41 PM
Garage (17)	9/29/2010 12:38 PM	Garage (39)	9/29/2010 13:32 PM
Garage (18)	9/29/2010 12:38 PM	Garage (40)	9/29/2010 13:32 PM
Garage (19)	9/29/2010 12:39 PM	Garage (41)	9/29/2010 13:32 PM
Garage (20)	9/29/2010 12:39 PM	gloves	9/29/2010 13:55 PM















































FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.



# PRE-REMEDIATION PHOTOGRAPH LOG SHEET

<b>FACTs project name: Eldridge</b>		<b>Form # ML8</b>
<b>Date: September 29, 2010</b>		
<b>Reporting IH:</b>	<b>Caoimhin P. Connell, Forensic IH</b>	

Name	Date taken	Name	Date taken
 Kitchen	9/29/2010 12:14 PM	 Laundry	9/29/2010 12:41 PM
 Kitchen (2)	9/29/2010 12:14 PM	 Laundry (2)	9/29/2010 12:41 PM
 Kitchen (3)	9/29/2010 12:14 PM	 Laundry (3)	9/29/2010 12:41 PM
 Kitchen (4)	9/29/2010 12:15 PM	 Laundry (4)	9/29/2010 12:41 PM
 Kitchen (5)	9/29/2010 12:15 PM	 Laundry (5)	9/29/2010 12:41 PM
 kitchen (6)	9/29/2010 12:15 PM	 Laundry (6)	9/29/2010 12:41 PM
 Kitchen (7)	9/29/2010 12:15 PM	 Living Room	9/29/2010 12:12 PM
 kitchen (8)	9/29/2010 12:15 PM	 Living Room (2)	9/29/2010 12:12 PM
 Kitchen (9)	9/29/2010 12:15 PM	 Living Room (3)	9/29/2010 12:13 PM
 Kitchen (10)	9/29/2010 12:15 PM	 Living Room (4)	9/29/2010 12:13 PM
 Kitchen (11)	9/29/2010 12:15 PM	 Living Room (5)	9/29/2010 12:13 PM
 Kitchen (12)	9/29/2010 12:15 PM	 Living Room (6)	9/29/2010 12:13 PM
 Kitchen (13)	9/29/2010 12:15 PM	 Living Room (7)	9/29/2010 12:13 PM
 Kitchen (14)	9/29/2010 12:18 PM	 Living Room (8)	9/29/2010 12:14 PM
 Kitchen (15)	9/29/2010 12:26 PM	 Living Room (9)	9/29/2010 12:14 PM
 Kitchen (16)	9/29/2010 12:14 PM	 Living Room (10)	9/29/2010 12:14 PM
 Kitchen (17)	9/29/2010 13:01 PM	 Living Room (11)	9/29/2010 12:14 PM
 Kitchen (18)	9/29/2010 13:02 PM	 Living Room (12)	9/29/2010 12:27 PM
 Kitchen (19)	9/29/2010 13:02 PM	 Living Room (13)	9/29/2010 13:03 PM
 kitchen (20)	9/29/2010 13:02 PM	 Living Room (14)	9/29/2010 12:27 PM
 kitchen (21)	9/29/2010 13:54 PM	 MVI_3389	
 kitchen (22)	9/29/2010 13:54 PM	 MVI_3389.THM	



FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.

# PRE-REMEDIATION PHOTOGRAPH LOG SHEET

<b>FACTs project name: Eldridge</b>		<b>Form # ML8</b>
<b>Date: September 29, 2010</b>		
<b>Reporting IH:</b>	<b>Caoimhin P. Connell, Forensic IH</b>	













































Name	Date taken	Name	Date taken
MVI_3389.THM		Stairs up (5)	9/29/2010 12:51 PM
S Attic	9/29/2010 13:04 PM	Stairs up (6)	9/29/2010 13:09 PM
S Attic (2)	9/29/2010 13:04 PM	US Bath	9/29/2010 12:19 PM
S Attic (3)	9/29/2010 13:04 PM	US Bath (2)	9/29/2010 12:19 PM
S Attic (4)	9/29/2010 13:05 PM	US Bath (3)	9/29/2010 12:19 PM
S Attic (5)	9/29/2010 13:05 PM	US Bath (4)	9/29/2010 12:19 PM
S Attic (6)	9/29/2010 13:05 PM	US Bath (5)	9/29/2010 12:19 PM
S Attic (7)	9/29/2010 13:05 PM	US Bath (6)	9/29/2010 12:19 PM
S Attic (8)	9/29/2010 13:05 PM	US Bath (7)	9/29/2010 12:19 PM
S Attic (9)	9/29/2010 13:05 PM	US Bath (8)	9/29/2010 12:19 PM
S Attic (10)	9/29/2010 13:05 PM	US Bath (9)	9/29/2010 12:20 PM
S Attic (11)	9/29/2010 13:09 PM	US Bath (10)	9/29/2010 12:20 PM
shed	9/29/2010 13:45 PM	US Bath (11)	9/29/2010 12:20 PM
shed (2)	9/29/2010 13:45 PM	US Bath (12)	9/29/2010 12:21 PM
shed (3)	9/29/2010 13:45 PM	US Bath (13)	9/29/2010 12:21 PM
shed (4)	9/29/2010 13:45 PM	US Hall	9/29/2010 12:19 PM
Stairs	9/29/2010 12:12 PM	US Hall (2)	9/29/2010 12:19 PM
Stairs Down	9/29/2010 12:16 PM	US Hall (3)	9/29/2010 12:20 PM
Stairs Up	9/29/2010 12:14 PM	US Hall (4)	9/29/2010 12:20 PM
Stairs Up (2)	9/29/2010 12:14 PM	US Hall (5)	9/29/2010 12:20 PM
Stairs Up (3)	9/29/2010 12:18 PM	US Hall (6)	9/29/2010 12:25 PM
stairs up (4)	9/29/2010 12:26 PM	US Hall (7)	9/29/2010 12:25 PM



FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.

# PRE-REMEDIATION PHOTOGRAPH LOG SHEET

<b>FACTs project name: Eldridge</b>		<b>Form # ML8</b>
<b>Date: September 29, 2010</b>		
<b>Reporting IH:</b>	<b>Caoimhin P. Connell, Forensic IH</b>	

Name	Date taken	Name	Date taken
 US Hall (8)	9/29/2010 12:26 PM	 US NE BR (7)	9/29/2010 12:22 PM
 US Hall (9)	9/29/2010 13:03 PM	 US NE BR (8)	9/29/2010 12:22 PM
 US Hall closet	9/29/2010 12:26 PM	 US NE BR (9)	9/29/2010 12:22 PM
 US Hall closet (2)	9/29/2010 12:26 PM	 US NE BR (10)	9/29/2010 12:22 PM
 US Master BR	9/29/2010 12:20 PM	 US NE BR (11)	9/29/2010 12:22 PM
 US Master BR (2)	9/29/2010 12:20 PM	 US NE BR (12)	9/29/2010 12:22 PM
 US Master BR (3)	9/29/2010 12:20 PM	 US NE BR (13)	9/29/2010 12:23 PM
 US Master BR (4)	9/29/2010 12:20 PM	 US NE BR (14)	9/29/2010 12:23 PM
 US Master BR (5)	9/29/2010 12:20 PM	 US NE BR (15)	9/29/2010 12:23 PM
 US Master BR (6)	9/29/2010 12:21 PM	 US NE BR (16)	9/29/2010 12:23 PM
 US Master BR (7)	9/29/2010 12:21 PM	 US SE BR	9/29/2010 12:20 PM
 US Master BR (8)	9/29/2010 12:21 PM	 US SE BR (2)	9/29/2010 12:20 PM
 US Master BR (9)	9/29/2010 12:21 PM	 US SE BR (3)	9/29/2010 12:23 PM
 US Master BR (10)	9/29/2010 12:21 PM	 US SE BR (4)	9/29/2010 12:23 PM
 US Master BR (11)	9/29/2010 12:21 PM	 US SE BR (5)	9/29/2010 12:23 PM
 US Master BR (12)	9/29/2010 12:21 PM	 US SE BR (6)	9/29/2010 12:23 PM
 US NE BR	9/29/2010 12:22 PM	 US SE BR (7)	9/29/2010 12:23 PM
 US NE BR (2)	9/29/2010 12:22 PM	 US SE BR (8)	9/29/2010 12:23 PM
 US NE BR (3)	9/29/2010 12:22 PM	 US SE BR (9)	9/29/2010 12:23 PM
 US NE BR (4)	9/29/2010 12:22 PM	 US SE BR (10)	9/29/2010 12:24 PM
 US NE BR (5)	9/29/2010 12:22 PM	 US SE BR (11)	9/29/2010 12:24 PM
 US NE BR (6)	9/29/2010 12:22 PM	 US SE BR (12)	9/29/2010 12:24 PM

























FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.



**PRE-REMEDIATION PHOTOGRAPH LOG SHEET**

<b>FACTs project name: Eldridge</b>	<b>Form # ML8</b>
<b>Date: September 29, 2010</b>	
<b>Reporting IH:</b>	<b>Caoimhin P. Connell, Forensic IH</b>

Name	Date taken
 US SE BR (5)	9/29/2010 12:23 PM
 US SE BR (6)	9/29/2010 12:23 PM
 US SE BR (7)	9/29/2010 12:23 PM
 US SE BR (8)	9/29/2010 12:23 PM
 US SE BR (9)	9/29/2010 12:23 PM
 US SE BR (10)	9/29/2010 12:24 PM
 US SE BR (11)	9/29/2010 12:24 PM
 US SE BR (12)	9/29/2010 12:24 PM
 US SE BR (13)	9/29/2010 12:24 PM
 US SE BR (14)	9/29/2010 12:24 PM
 US SE BR (15)	9/29/2010 12:24 PM
 US SE BR (16)	9/29/2010 12:24 PM
 US SE BR (17)	9/29/2010 12:24 PM
 US SE BR (18)	9/29/2010 12:24 PM
 US SE BR (19)	9/29/2010 12:24 PM
 US SE BR (20)	9/29/2010 12:25 PM
 US SE BR (21)	9/29/2010 12:25 PM
 US SE BR (22)	9/29/2010 12:25 PM
 US SE BR (23)	9/29/2010 12:25 PM
 US SE BR (24)	9/29/2010 12:25 PM
 US SE BR (25)	9/29/2010 12:25 PM
 US SE BR (26)	9/29/2010 12:25 PM



### DRAWING OF COOK AREA(S)

**FACTs project name: Eldridge**

Form # ML10

**Date: September 29, 2010**

<b>Reporting IH:</b>	<b>Caoimhín P. Connell, Forensic IH</b>
----------------------	---

See body of report

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

Describe the area:

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---

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**FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.**



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

FACTs project name: Eldridge	Form # ML11
Date: September 29, 2010	
Reporting IH:	Caoimhín P. Connell, Forensic IH

See body of report

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

Describe the area:

---

---



FACTs project name: Eldridge		Form # ML12
Date: September 29, 2010		
Reporting IH:	Caoimhín P. Connell, Forensic IH	

[illegible]

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

\_\_\_\_\_

\_\_\_\_\_

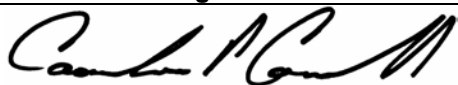

\_\_\_\_\_



**CERTIFICATION, VARIATIONS AND SIGNATURE SHEET**

<b>FACTs project name: Eldridge</b>	<b>Form # ML14</b>
<b>Date: September 29, 2010</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.	
<del>I do hereby certify that the property has been decontaminated in accordance with the procedures set forth in 6 CCR 1014-3, § 5.</del>	XXXXXXXXXXXXXXXX
<del>I do hereby certify that I conducted post-decontamination clearance sampling in accordance with 6 CCR 1014-3, § 6.</del>	
<del>I do hereby certify that the cleanup standards established by 6 CCR 1014-3, § 7 have been met as evidenced by testing I conducted.</del>	
I do hereby certify that the analytical results reported here are faithfully reproduced.	

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

Some *de minimis* variations, based on professional judgment occurred as described in the body of the report.

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: October 13, 2010

**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)

<b>FACTs project name:</b>	<b>Eldridge</b>	<b>Form # ML15</b>
<b>Date: October 12, 2010</b>		
<b>Reporting IH:</b>	<b>Caoimhín P. Connell, Forensic IH</b>	

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

Mr. Connell is a recognized authority in methlab operations and is a Certified Meth-Lab Safety Instructor through the Colorado Regional Community Policing Institute (Colorado Department of Public Safety, Division of Criminal Justice). Mr. Connell has provided over 200 hours of methlab training for officers of over 25 Colorado Police agencies, 20 Sheriff's Offices, federal agents, and probation and parole officers from the 2<sup>nd</sup>, 7<sup>th</sup> and 9<sup>th</sup> Colorado judicial districts. He has provided meth-lab lectures to prestigious organizations such as the County Sheriff's of Colorado, the American Industrial Hygiene Association, and the National Safety Council.

Mr. Connell is Colorado's only private consulting Industrial Hygienist certified by the Office of National Drug Control Policy High Intensity Drug Trafficking Area Clandestine Drug Lab Safety Program, and P.O.S.T. certified by the Colorado Department of Law; he is a member of the Colorado Drug Investigators Association, the American Industrial Hygiene Association (where he serves on the Clandestine Drug Lab Work Group), and the Occupational Hygiene Society of Ireland. Mr. Connell is an 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 American Industrial Hygiene Association.

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

Mr. Connell is a current law enforcement officer in the State of Colorado, who has conducted clandestine laboratory investigations and performed risk, contamination, hazard and exposure assessments from both the law enforcement (criminal) perspective, and from the civil perspective in residences, apartments, motor vehicles, and condominiums. Mr. Connell has conducted over 200 assessments in illegal drug labs, and collected over 1,900 samples during assessments (a detailed list of drug lab experience is available on the web at:

<http://forensic-applications.com/meth/DrugLabExperience2.pdf>

He has extensive experience performing assessments pursuant to the Colorado meth-lab regulation, 6 CCR 1014-3, (State Board Of Health *Regulations Pertaining to the Cleanup of Methamphetamine Laboratories*) and was an original team member on two of the legislative working-groups which wrote the regulations for the State of Colorado. Mr. Connell was the primary contributing author of Appendix A (*Sampling Methods And Procedures*) and Attachment to Appendix A (*Sampling Methods And Procedures Sampling Theory*) of the Colorado regulations. He has provided expert witness testimony in civil cases and testified before the Colorado Board of Health and Colorado Legislature Judicial Committee regarding methlab issues. Mr. Connell has provided services to private consumers, Indian Nations, state officials and Federal Government representatives with forensic services and arguments against fraudulent industrial hygienists and other unauthorized consultants performing invalid methlab assessments.

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

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

## **APPENDIX B**

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

## SAMPLING FIELD FORM

<b>FACTs project name: Eldridge</b>	<b>Form # ML17</b>
<b>Date: September 29, 2010</b>	<b>Alcohol Lot#: A1ØØ1 Gauze Lot#: G1ØØ5</b>
<b>Reporting IH: Caoimhín P. Connell, Forensic IH</b>	<b>Preliminary X Intermediate ____ Final ____</b>

Sample ID EMØ9291Ø-	Type	Location	Funct. Space	Dimensions	Substrate
-Ø1	W	North attic, aluminum foil covered insulation batting	14	9" X 9"	M
-Ø2	W	South attic, upper surface on the blade of the whole house ceiling fan	15	9" X 9"	M
-Ø3	W	Furnace system, duct interior, supply duct in wet bar	16	9" X 9"	M
-Ø4	W	Shed, metal joist cleats	17	See notes	M
-Ø5	W	BX	NA	NA	NA
-Ø6	W	Garage, top of south door rail	5	80" X 1"	M
-Ø7					
-Ø8					
-Ø9					
-1Ø					
-11					
-12					
-13					
-14					
-15					

Sample Types: W=Wipe; V=Microvacuum; A=Air; B=Bulk; L=liquid

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

-02 25% undersampled

-03 25% undersampled

-04 Collected from multiple (17) individual cleats. Each cleat had a slightly different exposure area. Total estimated surface area was 96 in<sup>2</sup>



FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.



# ANALYTICAL CHEMISTRY INC.

Established in 1979

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

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

Phone: 206-622-8353

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

<b>Lab Reference:</b>	10160-01
<b>Date Received:</b>	October 1, 2010
<b>Date Completed:</b>	October 5, 2010

October 5, 2010

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

**CLIENT REF:** Eldridge

**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>
EM092910-01	0.200	87
EM092910-02	0.342	82
EM092910-03	0.116	106
EM092910-04	< 0.030	83
EM092910-05	< 0.030	80
EM092910-06	9.03	86
QA/QC Method Blank	< 0.004	
QC 0.100 ug Standard	0.107	
QA 0.020 ug Matrix Spike	0.020	
QA 0.020 ug Matrix Spike Duplicate	0.024	
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.aclabs.com

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

Page 1 of 2  
Please do not write in shaded areas.

<b>SAMPLING DATE:</b> September 29, 2010		<b>REPORT TO:</b> Caoimhin P. Connell		<b>ANALYSIS REQUESTED</b>													
<b>PROJECT Name/No.:</b> Eldridge		<b>COMPANY:</b> Forensic Applications, Inc.		1 Methamphetamine													
<b>eMail:</b> Fiosrach@aol.com		<b>ADDRESS:</b> 185 Bounty Hunters Lane, Bailey, CO 80421		2 Use entire contents													
<b>SAMPLER NAME:</b> Caoimhin 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>							
E1	EM092910-01	X			X	X	X								1		
E2	EM092910-02	X			X	X	X								1		
E3	EM092910-03	X			X	X	X								1		
E4	EM092910-04	X			X	X	X								1		
E5	EM092910-05	X			X	X	X								1		
E6	EM092910-06	X			X	X	X								1		
	EM092910-07	X			X	X	X										
	EM092910-08	X			X	X	X										
	EM092910-09	X			X	X	X										
	EM092910-10	X			X	X	X										
<b>CHAIN OF CUSTODY RECORD</b>		<b>Wipes Results in:</b>			<input type="checkbox"/> µg/100cm <sup>2</sup> <input checked="" type="checkbox"/> Total µg						<b>Total Number of Containers (verified by laboratory)</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>Yes</b>		<b>No</b>	
Caoimhin P. Connell				FACTS, Inc.		9/29/2010		1500		<input type="checkbox"/> 24 Hours (2X)		<b>Container:</b>		<b>Intact</b>		<b>Broken</b>	
MIA SAZON				ACI		10/1/10		1500		<input type="checkbox"/> 2 Days (1.75X)		<b>Temperature:</b>		<b>Ambient</b>		<b>Cooled</b>	
										<input type="checkbox"/> 3 Days (1.5X)		<b>Inspected By:</b>		MIA SAZON			
										<input checked="" type="checkbox"/> Routine		<b>Lab File No.</b>		10160-01			





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<b>Lab Reference:</b>	10157-08
<b>Date Received:</b>	September 17, 2010
<b>Date Completed:</b>	September 21, 2010

September 21, 2010

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

**CLIENT REF:** Eldridge

**SAMPLES:** wipes/2

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

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

<b>Sample</b>	<b>Methamphetamine, ug</b>	<b>% Surrogate Recovery</b>
EM091610-01	1.07	107
EM091610-02	0.080	109
QA/QC Method Blank	< 0.004	
QC 0.100 ug Standard	0.100	
QA 0.020 ug Matrix Spike	0.021	
QA 0.020 ug Matrix Spike Duplicate	0.020	
Method Detection Limit (MDL)	0.004	
Practical Quantitation Limit (PQL)	0.030	

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

Robert M. Orheim  
Director of Laboratories



## CDL SAMPLING &amp; CUSTODY FORM

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**APPENDIX C**

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

