FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.

Preliminary Assessment
of an
Identified Illegal Drug Laboratory

Resulting in a
Decision Statement
At:
1354 Burland Drive
Bailey, CO 80421

Prepared for:

Richard White
189 Timbertop Rd.
Bailey, CO 80421

Prepared by:

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

July 12, 2011

Table of Contents

EXECUTIVE SUMMARY

On Monday, April 11, 2011, Forensic Applications Consulting Technologies, Inc. (FACTs) was contracted to perform a standard cursory evaluation for the presence of methamphetamine at the residence located at 1354 Burland Drive, Bailey, Colorado, (the subject property). Results of samples collected pursuant to the Colorado Real Estate methamphetamine disclosure and testing statute as described by CRS §38-35.7-103(2)(a), conclusively demonstrated concentrations of methamphetamine in excess of the reportable detection limits. On April 14, 2011, FACTs issued a report of our findings which served as "Discovery" and "Notification."

Starting Monday, June 20, 2011, personnel from FACTs performed a State mandated Preliminary Assessment pursuant to Colorado Regulation 6 CCR 1014-43, Part 4. Based on the totality of the circumstances, FACTs makes the following observations:

- This document serves as both the Preliminary Assessment[1] and the Final Report of verification sampling, Pursuant to Section 7, 6 CCR 1014-3, resulting in a Decision Statement.[2]

- An illegal drug lab, as that term is defined in CRS §25-18.5-101 (2.7), existed at the subject property at the time of our April 11, 2011 evaluation.

- A Class 1 Public Nuisance, as defined in CRS §16-13-303(1) existed at the property at the time of our April 11, 2011 evaluation.

- Pursuant to 6 CCR 1014-3 (Mandatory Appendix A) FACTs hereby issues, by virtue of this document, a *Decision Statement*[3] affirming that:

    a. The initial hypothesis was rejected and the initial *null* hypothesis was accepted (sufficient evidence existed to confirm the presence of methamphetamine).

    b. Upon the performance of the required *Preliminary Assessment*, the second hypothesis was sequentially tested, and no support was found; the null hypothesis was accepted, the property was found to be compliant.

---

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

[2] Ibid. (§8)

[3] 6-CCR 1014-3, Appendix A: If, based on the totality of the circumstances, the consultant finds that insufficient evidence exists to support the hypothesis that any given area is non-compliant, that area shall be deemed to be compliant with section 25-18.5-103 (2), C.R.S., and shall be released. If objective sampling data indicates contamination is less than the cleanup level, that data may be used as *prima facie* evidence that insufficient evidence exists to support the hypothesis that any given area is non-compliant.

- Pursuant to this *Decision Statement,* FACTs recommends to the Governing Body that the property be released for immediate occupancy: no harmful chemical residues were found at concentrations above the regulatory thresholds or that may present an immediate or long-term threat to human health and/or the environment.

BACKGROUND

On April 11, 2011, at the request of a potential buyer, personnel from FACTs visited the subject property to perform a cursory industrial hygiene evaluation for the presence of methamphetamine. The data quality objectives of the methamphetamine evaluation were not to determine representative concentrations, nor to characterize degree and/or extent of any extant contamination, but rather to merely provide a "Yes" or "No" answer to the following question: "Is methamphetamine present at the property?"

During the April 11, 2011, evaluation, two five-parted composite samples were collected from ten locations at the residence. The reportable limit during the evaluation was set at one half the highest regulatory limit for a five-parted composite for methamphetamine in Colorado, namely 0.25 µg/100cm2. The composite samples conclusively confirmed the presence of methamphetamine at the property at a concentration greater than the reportable limit.

Based on the sample results, and other observations made during the evaluation, the property was "discovered" and on April 14, 2011, the Property Owner was given "notice" as those terms are found in CRS §25-18.5-103. As a result of the cursory evaluation, a Preliminary Assessment was required, and is presented here.

REGULATORY REQUIREMENTS

Federal Requirements

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

State Requirements

According to Colorado State Regulation 6-CCR 1014-3, following the "discovery" and "notification" of an illegal drug laboratory, as those terms are used in CRS §25-18.5-103, a "Preliminary Assessment" of the property must be conducted. The Preliminary Assessment must be conducted according to specified requirements[4] by an authorized Industrial Hygienist as that term is defined in CRS §24-30-1402.

[4] Section 4 of 6 CCR 1014-3

PRELIMINARY ASSESSMENT

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

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

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

If the Industrial Hygienist performing the assessment finds *evidence* of contamination, and no Decision Statement is issued, the property owner is required to either remediate the property or demolish the property.[7]

Normally, after the Preliminary Assessment is issued, the subject property is remediated, and an Industrial Hygienist must perform verification sampling to quantify the remaining contamination or verify that the remediation has reduced the contamination in the property to below statutory limits. If, based on the totality of the circumstances, the Industrial Hygienist fails to find sufficient evidence to support the second hypothesis that any given area is non-compliant, that area must be deemed to be compliant and a Decision Statement must be issued, releasing the property. If objective sampling data indicates contamination is below the cleanup levels, those data may be used as *prima facie* evidence that insufficient evidence exists to support the hypothesis that any given area is non-compliant.[8] In this case, sampling performed during the Preliminary Assessment was simultaneously compliant with the final verification sampling protocols found in Section 7 of the pertinent State Regulations, and lead directly to a Decision Statement without the need for any remediation.

---

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

[6] Section 4.6 of 6 CCR 1014-3

[7] Colorado Revised Statutes §25-18.5-103

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

Elements of the Preliminary Assessment

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

Mandatory Documents	DOCUMENTATION	Included
§4.1	Property description field form	✓
§4.2	Law Enforcement documentation review discussion	✓
§§4.3, 4.6, 4.10	Field Observations field form	✓
	FACTs Functional space inventory field form	✓
§§4.4, 4.5	Description of manufacturing methods and chemicals	✓
§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)	✓
§4.11	Plumbing inspection field form	✓
	FACTs ISDS field form	✓
§4.12	Contamination migration field form or description	✓
§4.13	Identification of common ventilation systems	✓
§8.1	Property description field form	✓
§8.2	Description of manufacturing methods and chemicals	✓
§8.3	Law Enforcement documentation review discussion	✓
§8.4	Description and Drawing of Storage area(s)	✓
§8.5	Description and Drawing of Waste area(s)	✓
§8.6	Description and Drawing of Cook area(s)	✓
§8.7	Field Observations field form	✓
	FACTs Functional space inventory field form	✓
§8.8	Plumbing inspection field form	✓
	FACTs ISDS field form	✓
§8.9	Contamination migration discussion	✓
§8.10	Identification of common ventilation systems	✓
§8.11	Description of the sampling procedures and QA/QC	✓
§8.12	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 PA directly resulting in a DS	
§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	✓
NA	Analytical Laboratory Reports	✓
NA	FACTs final closeout inventory document	✓
NA	Analytical procedure	✓
NA	FACTs Field Sampling Forms	✓

Table 1
Inventory of Mandatory Information

Pursuant to the regulations, information obtained during the Preliminary Assessment and subsequent Decision Statement, are entered into the public domain and are not subject to confidentiality.[9]

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

Review of Law Enforcement Documentation

As part of the Preliminary Assessment, FACTs is required by regulation[10] to review available law enforcement documents pertinent to a subject property. During this project, there was only one law enforcement agency with original jurisdiction who could reasonably be involved in controlled substance related activities at the property – the Park County Sheriff's Office (PCSO).

The PCSO exhibited the highest degree of professionalism and fully cooperated with our requests for information. The PCSO promptly responded to our requests, and PCSO personnel made an extra effort to expedite records information to FACTs. PCSO indicated that they had no record of controlled substances or hazardous materials responses at the property. This information suggests that no other state of federal agency was likely to have any involvement at the property independent of PCSO.

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

GOVERNING BODY

Based on the best information available, the Park County Department of Environmental Health is the "Governing Body" as defined in CRS §25-18.5-101. A copy of this report must be filed with that office at:

Tom Eisenman
Park County Development Services Coordinator
Environmental Health and Planning and Zoning
1246 CR 16
P.O. Box 216
Fairplay, CO 80440

[9] Section 8.26 of 6 CCR 1014-3

[10] 6 CCR 1014-3 (Section 4.2)

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

VISUAL INSPECTION OF THE PROPERTY

As a mandatory element of the Preliminary Assessment, on June 20, 2011 and June 23, 2011 personnel from FACTs performed a visual inspection of the subject property.

General Building Overview

The subject property is a single family, stand alone residence built *circa* 1978. The construction is a poured foundation wall resulting in a crawlspace, and drywall interior with timber framing. The Park County Assessor's Office lists the property as 1,033 square feet of floor space, but then goes on to list 4,011 square feet of rooms, and other areas. Based on our observations, and for regulatory purposes, FACTs determined approximately 2,531 square feet of floor space excluding the structure meant to be a garage, and we have used this figure for regulatory sampling purposes.

Upon our June 20, 2011 arrival, personnel from FACTs found the property secured, unoccupied and emptied of all chattels and furniture.

In the photograph below, we have presented the general layout of the structure and surrounding features. The structure of is outlined in red.

Photograph 1
General Building Layout

Functional Space Summary

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

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

Functional Space	Functional space
1	Foyer, foyer hall, hall closet
2	Ground floor, East Bedroom and closet
3	Ground floor, West Bedroom and closet
4	Ground floor, northwest office area and stair chase
5	Ground floor bathroom and laundry room
6	Living room, kitchen, and bedroom hallway
7	Second floor bathroom
8	Second floor northwest bedroom and closet
9	Second floor southwest bedroom and closet
10	Attic
11	Crawlspace

Table 1
Functional Space Summary

Functional Space 1: Foyer Area

This space is the main room as one enters the structure through the front door on the south. The area includes the length of hallway leading from the door to the office space and ground floor bathroom. This area also includes the small closet in the foyer hall. This area was included in the sample suite that indicated a methamphetamine concentration of 0.29 µg/100cm2.

This space contained several inconclusive visual indicators consistent with illegal drug laboratories.

Functional Space 2: Ground Floor East Bedroom and Closet

Delineated as that term is commonly used, this room contained visual indicators consistent with a marijuana grow. The discreet sample collected from this space contained methamphetamine at a concentration below the regulatory cleanup threshold.

Functional Space 3: Ground Floor West Bedroom and Closet

This space is delineated as the term is commonly understood and is the bedroom that occupies the southwest quadrant of the ground floor. This room contained visual indicators consistent with a marijuana grow. This area was included in the sample suite that indicated a methamphetamine concentration of 0.29 µg/100cm2.

Functional Space 4: Downstairs Office and Stairway

This space occupies the northwest quadrant of the ground floor and is the room entered when one enters the structure from the sliding glass door on the west.

This area was included in the sample suite that indicated a methamphetamine concentration of 0.29 µg/100cm2.

This space contained several inconclusive visual indicators consistent with illegal drug laboratories.

Functional Space 5: Ground Floor Bathroom and Laundry Area

The ground floor bathroom is the only bathroom on the ground floor. This space contained several inconclusive visual indicators consistent with illegal drug laboratories.

Functional Space 6: Living Room-Kitchen Complex

This large open plan area incorporates the kitchen, living room, living room closet, and hallway leading to the second floor bedrooms. This area contains inconclusive visual indicators of illegal drug activities. This area was included in the original sample suite that indicated a methamphetamine concentration of 0.47 µg/100cm2.

Functional Space 7: Second Floor Bathroom

This area is delineated as the term is commonly known. This area was included in the original sample suite that indicated a methamphetamine concentration of 0.47 µg/100cm2. This area contains inconclusive visual indicators of illegal drug activities.

Functional Space 8: Second Floor Northwest Bedroom and Closet

This area is delineated as the term is commonly known. This area contains inconclusive visual indicators of illegal drug activities. This area was included in the original sample suite that indicated a methamphetamine concentration of 0.47 µg/100cm2.

Functional Space 9: Second Floor Southwest Bedroom and Closet

This area is delineated as the term is commonly known. This area was included in the original sample suite that indicated a methamphetamine concentration of 0.47 µg/100cm2. This area contains inconclusive visual indicators of illegal drug activities.

Functional Space 10: Attic

The attic is the space delineated as the term is commonly known. The attic is conducive to storage and occupancy. The attic is accessed through a set of pull-down stairs from the living room hallway.

We did not observe any visual indicators in the attic. A discreet sample was collected from the top of the electrical conduit in the attic.

Functional Space 11: Crawlspace

The crawlspace did not contain any visual indicators or other signs consistent with illegal drug laboratory activities.

Exterior Grounds

Although not truly a functional space *per se*, the exterior grounds were assessed independently. Although we did observe evidence of stressed vegetation in many areas of the property, it was not consistent with illegal dumping of waste materials.

SEWERAGE SYSTEM

Regulation 6-CCR-1014-3 (§4.11) requires inspection of plumbing system integrity and identification and documentation of potential disposal into the sanitary sewer or an individual sewage disposal system (ISDS). The ISDS for this property consisted of a septic tank and leach field.

FACTs assessed the septic system and performed subsoil gas analysis to determine if hydrocarbons (waste products) may have been deposited in the septic tank and subsequently leaked from the septic tank or leach field into surrounding soils. Hydrocarbons were measured using an on-site, state-of-the-art, broad-range hydrocarbon meter which is capable of detecting virtually all hydrocarbons in the vapor phase. The device also has an acid gas sensor. Our instrument was an Enmet™ Target® Series instrument employing MOS technology, and had been calibrated according to the manufacturer's procedure using toluene as a span gas.

Also for this project, we used standard semi-quantitative water quality wet chemistry methods to test the effluent for acidity/alkalinity.

State statutes require a utilities location to be performed prior to any digging and prior to sinking any soil gas probes. Locator documentation was obtained and is included in the data package.

Soil Gas Assessment

To assess the soils around the septic tank and the leach field, FACTs employed direct push soil sampling techniques, wherein we drove an hollow gas sampling tip to a desired depth in the soils (one meter). The tip is attached to a length of Teflon® tubing, and using an high vacuum hand pump, soil gases are extracted into a Tedlar® gas sampling bag (See Photograph 2, below). The accompanying DVD also has a video clip of the soil gas

sampling procedure. Gases from the Tedlar bag are then introduced into suitable instruments for direct reading qualitative analysis (in this case, we measured broad range hydrocarbons and acid gases).

Photograph 2
Direct Push Soil Gas Sampling

The diagram that follows provides the approximate locations for each of the soil gas probe sampling locations. The large red circle identifies the location of the septic tank; the red triangles are the locations where the soil gas was sampled.

Figure 1
Soil Gas Probe Sampling Locations

All soil gas samples were collected exclusively down gradient from the septic system. The location in the photograph are approximations; the actual locations are given on Form ML 6 included with this discussion.

During this project, soil gas was sampled at a depth of one meter. The samples indicated a solvent vapor concentration gradient from low to high as one moved from the septic tank in the south, to north (downhill) as would be expected if a contaminant had been discarded in the system and leached through the soils. At the furthest end of the leach-field, the solvent concentration dropped abruptly.

The highest solvent vapor concentration was 125 parts of hydrocarbons per one million parts of soil gas (125 ppm). In the table below, we have summarized the results of the soil gas testing.

Hole #	BRH ppm	HCl ppm	PH_3 ppm	Vacuum (Hg")	Instrument Response (sec)
1	11	<0.01	<0.01	<1	60
2	125	<0.01	<0.01	<1	45
3	65	<0.01	<0.01	<1	60
4	74	<0.01	<0.01	<1	60

BRH=total hydrocarbons, HCl= hydrogen chloride, PH_3=phosphine

Table 2
Soil Gas Probe Sampling Summary

Based on our experience, the concentration range and maximum reading observed are not consistent with the disposal of hydrocarbon wastes into the septic tank with subsequent migration from the ISDS into surrounding soils.

Septic Tank

We were able to locate and easily access the holding tank and the septic tank serving the residence. Our visual inspections indicated that the tank was virtually empty. The slight liquid content was devoid of "slick" and bi-phasic liquids, indicating that organic solvents had not been discarded into the septic system. Subjectively, we did not observe any odors associated with cyclic aromatic or aliphatic solvents. The vapor phase hydrocarbon concentration in the headspace above the holding tank liquid was less than 2 ppm.

Using a coliwasa, we attempted to collect a stratified sample from the tank (see Photograph 3). However the depth of liquid was less than four inches, and the collection was not successful.

Photograph 3
Coliwasa Stratified Septic Tank Contents

Based on these observations, we conclude that the septic system and the leach field can be excluded from the remediation process.

SAMPLE COLLECTION

During this project, we collected two distinct types of samples:

Air samples (ISDS evaluation soil gas samples)
Wipe samples (methamphetamine analysis)

Air Samples

See the discussion on the ISDS for a description of the soil gas samples.

Wipe Samples

The samples collected throughout the subject property comprised of "discreet" samples and "composite" samples.

Discreet samples were collected during the Preliminary Assessment (PA) and are a single wipe, collected from a single area, and submitted for analysis as a unique location.

Composite samples were collected during the cursory evaluation and are single wipes, which are included with other single wipes placed together and analyzed as a single sample.

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

Methamphetamine

Wipe samples were collected in a manner consistent with State regulations. The wipe sample medium was individually wrapped commercially available Johnson and Johnson™ brand gauze. 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 cursory wipe samples were submitted for analysis to Analytical Chemistry Inc. in Tukwila, Washington; the final verification samples were submitted to Reservoirs Environmental Services in Denver, Colorado.

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 for every ten discreet wipe samples. The field blanks were randomly selected from the sampling sequence and included with the samples. To ensure the integrity of the blanks, FACTs personnel were unaware, until the actual time of sampling, which specific samples would be submitted as a blank.

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. For the regulatory compliance samples, the ruler used to delineate specific areas was decontaminated with disposable alcohol wipes between each sample.

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 cm2), 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 during verification activities in the absence of all other information. Except, during a verification or a properly designed 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, wipe samples were collected to challenge the compliance status of the structure as a whole.

Sample Results

Methamphetamine

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

Sample ID	Sample Location	Area	Result	Criteria	Status
BM041111-01A	DS Living room baseboard heater	11	0.29	0.25	FAIL
BM041111-01B	First floor SW BR SW corner at ceiling				
BM041111-01C	Door bell housing				
BM041111-01D	Foyer closet, top of motion sensor				
BM041111-01E	Kitchen, top of cabinets				
BM041111-02A	First floor bathroom exhaust fan	11	0.47	0.25	FAIL
BM041111-02B	US SW Bedroom, top of south ledge				
BM041111-02C	US Living room ceiling fan				
BM041111-02D	US Bathroom top of light fixtures				
BM041111-02E	US NW Bedroom, ceiling fan				
BM062011-01	Foyer hallway closet, top of light	500	<0.01	0.50	PASS
BM062011-02	Ground floor east bedroom, ceiling fan	524	<0.01	0.50	PASS
BM062011-03	Ground floor west bedroom, top of closet shelf	504	0.04	0.50	PASS
BM062011-04	Ground floor office, north wall, west corner	500	<0.01	0.50	PASS
BM062011-05	Field Blank	NA	<0.03	0.03	PASS
BM062011-06	Ground floor bathroom, top of W window sill	507	<0.02	0.50	PASS
BM062011-07	Kitchen, top of cabinet	500	0.01	0.50	PASS
BM062011-08	Second floor bath, top of medicine chest	500	<0.01	0.50	PASS
BM062011-09	Second floor, NW Bedroom, top of ceiling fan	504	<0.01	0.50	PASS
BM062011-10	Field Blank	NA	<0.03	0.03	PASS
BM062011-11	Second floor SW bedroom, top of N closet	529	0.02	0.50	PASS
BM062011-12	Attic, electrical conduit	630	0.01	0.50	PASS
BM062011-13	Crawlspace, top of sewer line	500	<0.01	0.50	PASS

Area is expressed in square centimeters
Result and Criteria are expressed as µg/100cm2 (Field blanks are reported as absolute mass)
The symbol "<" indicates that methamphetamine was not detected at the detection limit expressed.

Table 3
Results of Methamphetamine Wipe Samples

Wipe Sample Results

The samples confirm that, traces of methamphetamine notwithstanding, the property is compliant.

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).

Data Set (Regulatory Samples only)

MDL was not given; LOQ was reported as 0.03 µg/100cm2, FACTs recognizes that this information cannot be correct as the LOQ cannot be expressed as µg/100cm2; MBX <MDL FACTs recognizes that this information cannot be correct as the MBX cannot be expressed as µg/100cm2; LCS mass was not given, however, the laboratory reported 97% recovery, RPD was not given. Matrix spike mass was not given, however the recovery was given as 92% (RPD was not given); Matrix spike Dup mass was not given, and the recovery was not given, however the RPD was reported to have been 3%. Surrogate spike recoveries are not given by the laboratory and are unknown. FACTs reagents: MeOH lot # A11Ø1 <MDL for n=13; Gauze lot # G1ØØ6 <MDL for n=26.

FACTs has just begun using Reservoirs Laboratories for analysis, and we have discussed the way RES is currently reporting the QA/QC information on their reports. RES has informed us they will be changing their QA/QC reporting format in the near future. Nevertheless, there is nothing in the QA/QC that would indicate the data did not meet the data quality objectives; there is insufficient information included in the laboratory report to determine if the data exhibit bias.

Sample Locations

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

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

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. The shaded sample indicates the location on the floor plan of the sample collected in the crawlspace.

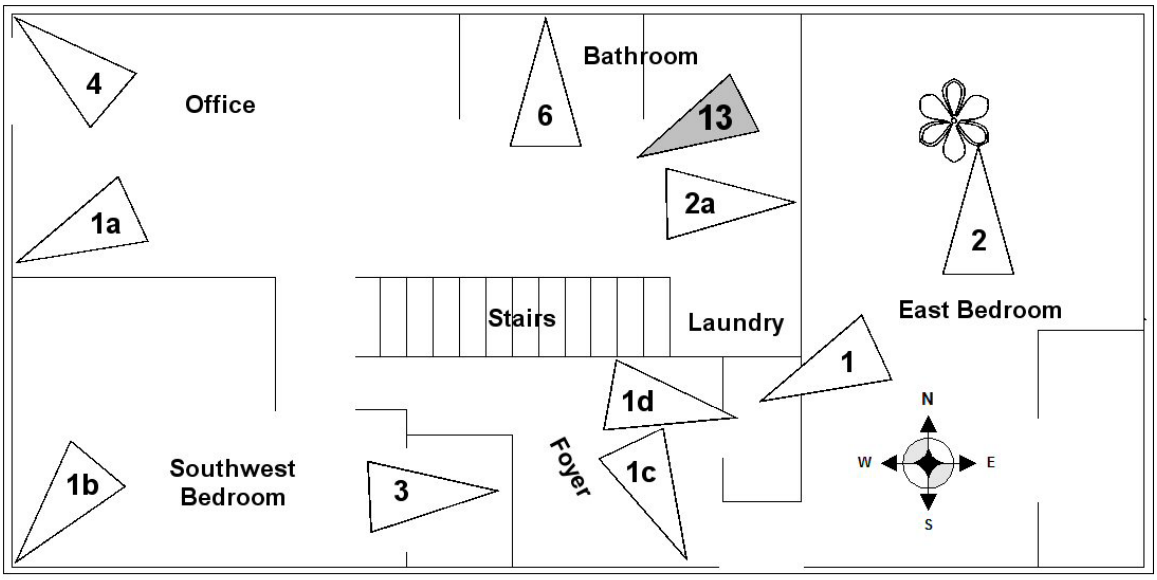


Figure 2
Main Floor Sample Locations

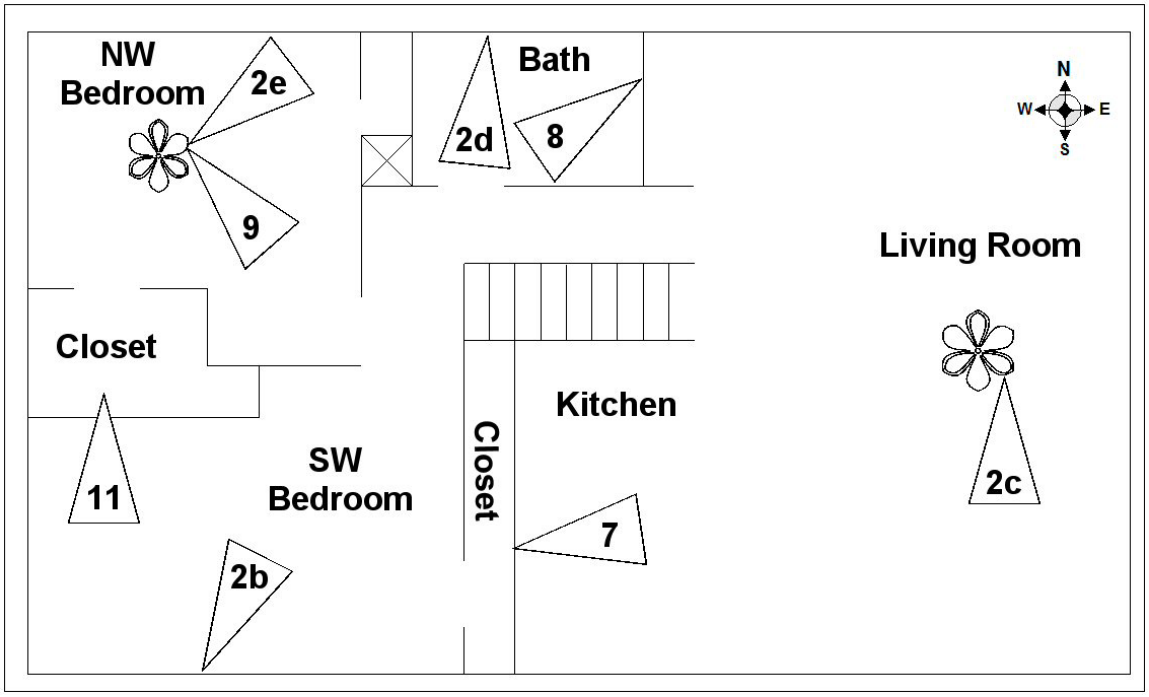


Figure 3
Second Floor Sample Locations

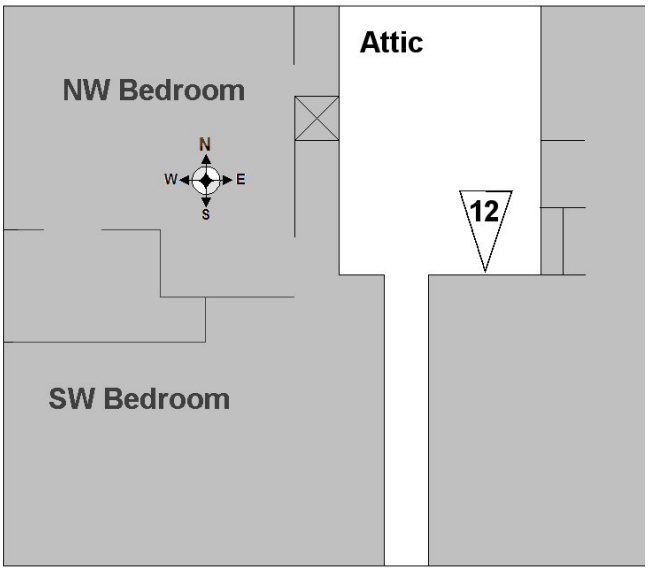


Figure 4
Attic Sample Location

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, we were not able to confidently identify *if* manufacturing took place at all, never mind *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 smoked at the property. The question of whether or not methamphetamine was actually manufactured is not of regulatory significance.

Identification of Contamination Migration

FACTs has knowledge that chemicals such as methamphetamine were stored on the property. However, FACTs must rely exclusively on subjective extant observations we make on site. Based on the best information readily available, FACTs was not able to find any indicators that would suggest contamination migration occurred from the subject property.

CONCLUSIONS

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

- An illegal drug lab, as that term is defined in CRS §25-18.5-101, existed at the subject property from before June 20, 2011.

- A Class 1 Public Nuisance, as defined in CRS §16-13-303(1) existed at the subject property from before June 20, 2011.

- Widespread, but trace, concentrations of methamphetamine were confirmed to be present at the property.

- The concentrations of methamphetamine in the subject property were not sufficiently elevated to be considered a "contaminant" as that term is defined in 6 CCR 1014-3 (§3).

- Final verification sampling indicates the property is compliant.

- FACTs hereby issues, by virtue of this document, a *Decision Statement* affirming that:

    a. The initial hypothesis was rejected and the initial null hypothesis was accepted (sufficient evidence existed to confirm the presence of methamphetamine).

    b. Upon the performance of the required *Preliminary Assessment* the second hypothesis was contemporaneously tested, and no support for the hypothesis was found; the null hypothesis was subsequently accepted (in the totality of the circumstances the property was found to be compliant).

- No harmful chemical residues were found at concentrations that may present an immediate or long-term threat to human health and/or the environment.

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

RECOMMENDATIONS

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

Tom Eisenman
Park County Development Services Coordinator
Environmental Health and Planning and Zoning
1246 CR 16
P.O. Box 216
Fairplay, CO 80440

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

Enclosures: One digital disc; Data package, and Appendices

-END-

Appendix A:

Supporting Documents

FACTs project name: 1354 Burland Drive	Form # ML1
Date: June 20, 2011	
Reporting IH:	Caoimhín P. Connell, Forensic IH

PROPERTY DESCRIPTION:

Physical address	1354 Burland Drive, Bailey, CO 80421		
Legal description or VIN	T07 R72 S28 NE4 BURLAND RANCHETTES UNIT 18 LOT 43		
Registered Property Owner (As of June 20, 2011)	FEDERAL NATIONAL MORTGAGE ASSOCIATION PO BOX 650043 DALLAS, TX 75265-0043		
Number of structures	Two		
Type of Structures (Each affected structure will need a "Functional Space" inventory)	Main residence	1,033	Square feet
	Garage	500	Square feet
	Total	1,533	Square feet
			Square feet
			Square feet
Adjacent and/ or surrounding properties	North: Rural mountain terrain		
	South: Rural mountain terrain and dirt road		
	East: Rural mountain terrain		
	West: Rural mountain residence		
General Property Observations	Extremely stressed and dilapidated		
Presumed Production Method	Possibly pseudoephedrine reduction, smoking		

Plumbing Inspection and Inventory

FACTs project name: 1354 Burland Drive	Form # ML2
Date: June 20, 2011	
Reporting IH:	Caoimhín P. Connell, Forensic IH

Functional Space	Room	Fixture	Indicia?	Comments
5	Bathroom # 1	Bath	N	
5	Bathroom # 1	Shower	N	
5	Bathroom # 1	Sink 1	NA	Missing
5	Bathroom # 1	Sink 2	NA	Missing
5	Bathroom # 1	Toilet	NA	Missing
7	Bathroom # 2	Shower/Bath	Y	Staining
7	Bathroom # 2	Sink	Y	Staining
7	Bathroom # 2	Toilet	NA	Missing
5	Laundry Room	Slop sink	NA	Missing
5	Laundry Room	Washing machine	NA	Missing
6	Kitchen	Dishwasher	NA	Missing
6	Kitchen	North Sink	Y	P-trap corrosion
6	Kitchen	South Sink	Y	P-trap corrosion
1	Foyer	Floor drain	N	

Ventilation Inspection and Inventory

Item	Y/N	Indicia ?	Sampled ?	Comments
Isolated AHU?	N	This section is intentionally blank		
Common air intake?	N			
Common bathroom exhausts?	N			
Forced air system?	N			
Steam heat?	N			
Common ducts to other properties?	N			
Passive plena to other properties?	N			
Active returns to other properties?	N			
Passive wall grilles to other properties?	N			
Industrial ventilation?	N			
Residential ventilation?	Y			
Pressurized structure?	N			

FUNCTIONAL SPACE INVENTORY

FACTs project name: 1354 Burland Drive	Form # ML3
Date: June 20, 2011	
Reporting IH:	Caoimhín P. Connell, Forensic IH

Structure Number	Functional Space Number	Indicia (Y/N)	Describe the functional space (See drawings for delineating structural features)
1	1	Y	Foyer, foyer hall, hall closet
1	2	Y	Ground floor, East Bedroom and closet
1	3	Y	Ground floor, West Bedroom and closet
1	4	Y	Ground floor, northwest office area and stair chase
1	5	Y	Ground floor bathroom and laundry room
1	6	Y	Living room, kitchen, and bedroom hallway
1	7	Y	Second floor bathroom
1	8	Y	Second floor northwest bedroom and closet
1	9	Y	Second floor southwest bedroom and closet
1	10	N	Attic
1	11	N	Crawlspace

This space is intentionally blank

Law Enforcement Documentation

FACTs project name: 1354 Burland Drive	Form # ML4
Date: June 20, 2011	
Reporting IH:	**Caoimhín P. Connell, Forensic IH**

Inventory of Reviewed Documents	PCSO ATIMS address history
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

FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.

June 23, 2011

On Duty Supervisor
Park County Sheriff's Office
1180 CR 16
P.O. Box 604
Fairplay, CO 80440

Via Fax: 303-816-5911

To Whom It May Concern:

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 Park County at:

1354 Burland Drive, Bailey, CO

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

We would like to review any narratives or documents 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 Park 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 <u>any</u> information considered sensitive by an investigating agency. We have developed a close working relationship with Park County Sheriff's Office, and we value and respect that open line of communication. I have included my SOQ. Please feel free to call me directly with any comments or questions.

<u>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 Park County Sheriff's Office, such records shall not be used for the direct solicitation of business for pecuniary gain.</u>

Sincerely,

Caoimhín P. Connell
Forensic Industrial Hygienist

185 BOUNTY HUNTER'S LANE, BAILEY, COLORADO 80421
PHONE: 303-903-7494 www.forensic-applications.com

Field Observations

FACTs project name: 1354 Burland Drive	Form # ML5
Date: June 20, 2011	
Reporting IH:	Caoimhín P. Connell, Forensic IH

Structure:

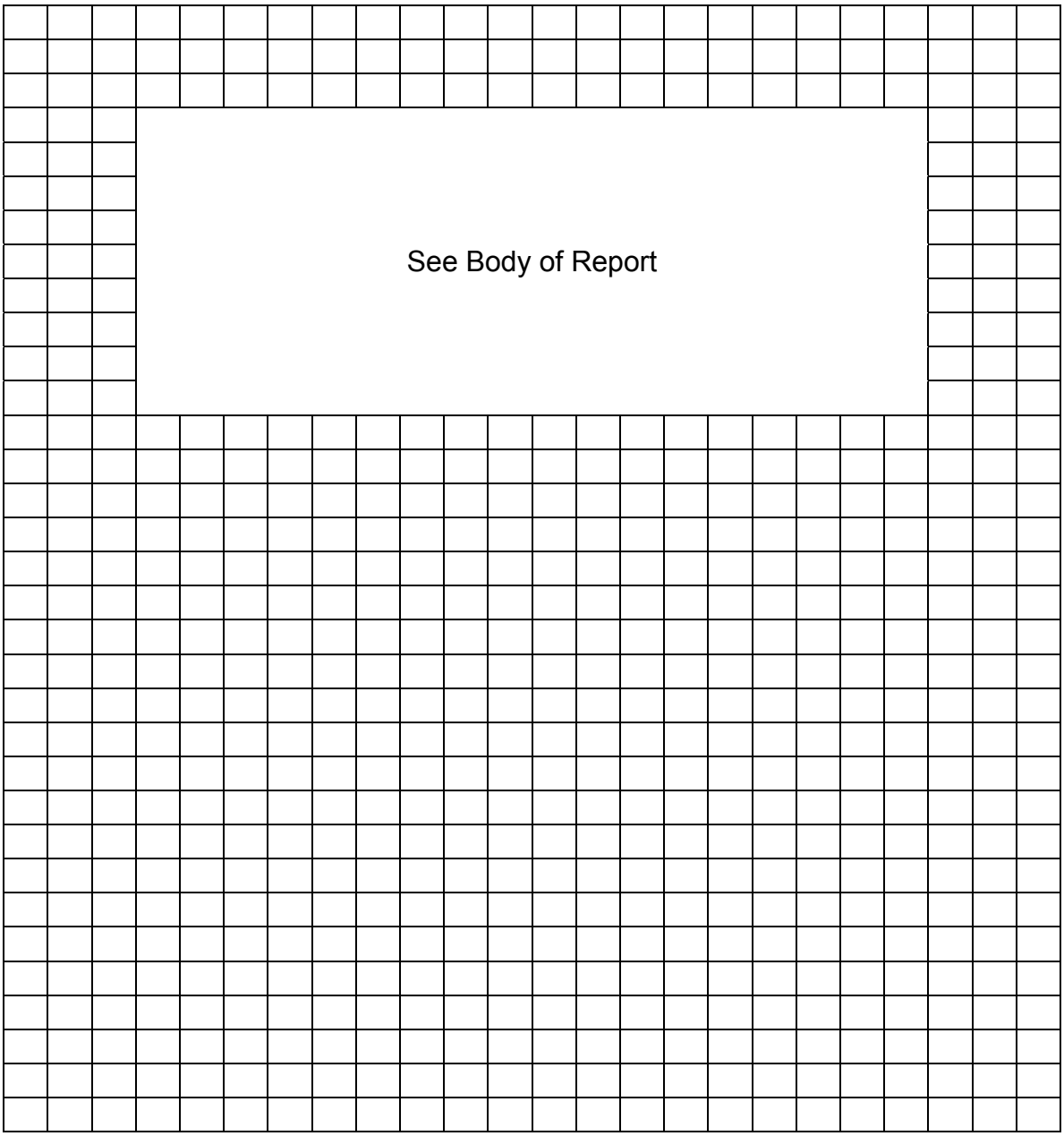
Indicator	Functional Space	Indicator	Functional Space
Acids	No Comment	Match components	No Comment
Aerosol cans	No Comment	Mercury	No Comment
Alcohols (MeOH, EtOH)	No Comment	Methamphetamine	1,3,4,5,6,7,8,9
Ammonia	No Comment	Modified coolers/containers	No Comment
Ammunition	No Comment	Modified electrical	Throughout
Artistic expressions	No Comment	Modified plumbing	Throughout
Bags of salt	No Comment	Modified structure	Throughout
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	4,5	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	6	Pseudoephedrine	No Comment
Death bag	No Comment	Red P	No Comment
Delaminating paint	All areas	Red Staining	No Comment
Drug paraphernalia	No Comment	Reserved	NA
Empty OTC Containers	No Comment	Salters	No Comment
Ephedrine	No Comment	Security devices	1
Feces	No Comment	Signs of violence	No Comment
Filters	No Comment	Smoke detectors disabled	No Comment
Forced entry marks	1	Solvents - (organic)	No Comment
Funnels	No Comment	Squalor	Throughout
Gang markings	No Comment	Staining on floors	6,7
Gas cylinders	No Comment	Staining on walls or ceiling	6,7
Gerry cans	No Comment	Stash holes	No Comment
Glassware	No Comment	Taping on surfaces	2,3
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	2,3
Iodine	No Comment	Wall damage	Throughout
Lead	No Comment	Weapons	No Comment
Lithium	No Comment	Window block material	2,3
Marijuana	2,3	Yellow staining	7

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

Contaminant Migration Observations

FACTs project name: 1354 Burland Drive	Form # ML6
Date: June 20, 2011	
Reporting IH:	Caoimhín P. Connell, Forensic IH

Describe/identify adjacent areas where contaminants may have migrated.



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

Describe the area:_____

_____

_____

_____

Individual Sewage Disposal System Field Form

FACTs project name: 1354 Burland Drive	Form # ML7
Date: June 20, 2011	
Reporting IH:	Caoimhín P. Connell, Forensic IH

	Yes	No	N/C
Does the property have an ISDS	X		
Is there unusual staining around internal drains		X	
Are solvent odors present from the internal drains		X	
Is there evidence of wastes being disposed down internal drains		X	
Are solvent odors present from the external sewer drain stacks		X	
Was the septic tank lid(s) accessible	X		
Was the leach field line accessible	X		
Was the septic tank or leach field lines opened	X		
Are solvent odors present from the leach field lines (if "yes" see below)		X	
Are solvent odors present from the septic tank (if "yes" see below)		X	
Is "slick" present in the septic tank		X	
Are biphasic (aqueous-organic) layers present in the septic tank		X	
Was pH measured in the septic tank		X	
Were organic vapors measured in the septic tank (if "yes" see below)	X		
Is sampling of the ISDS warranted		X	
Were calawasi/drum thief samples collected from the septic tank	X		

*NC = Not checked

Qualitative Organic Vapor Monitoring

Instrument Type	Make and Model
Hydrocarbon detector	EnMet Target Series, MOS detector
pH Strips	Baker Industries

Location	MOS*	PID*	FID*
All internal sinks	<1 ppm	NA	
Septic tank headspace	<1 ppm		
Leach field cleanout	<1 ppm		
All surrounding soils (see body of report for explanation)			

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

Locator Notes:
UNCC EMLCFM 2011/05/27 #00604 A114400947-00A NORM RESP LREQ
Friday, May 27, 2011 1:13 AM, From: "OCARS_Pro@uncc.org" <OCARS_Pro@uncc.org>
To: ADMIN@FORENSIC-APPLICATIONS.COM
EMLCFM 00604 UNCCa 05/27/11 01:13 AM A114400947-00A NORM RESP STRT LREQ
Ticket : A114400947 Rev: 00A Taken: 05/24/11 11:56 AM
State: CO Cnty: PARK Place: BAILEY, Address : 1354 BURLAND DR
Utility Description Response
CONG1A COLORADO NATL GAS, INC. 05/25/11 04:03 PM 001
LOCATE AREA MARKED
PCEV04 XCEL ENERGY 05/26/11 11:59 PM 999
FACILITY OWNER HAS NOT POSTED +RESPONSE TO UNCC
QLNCSD00 QWEST LOCAL NETWORK 05/26/11 11:59 PM 999
FACILITY OWNER HAS NOT POSTED +RESPONSE TO UNCC

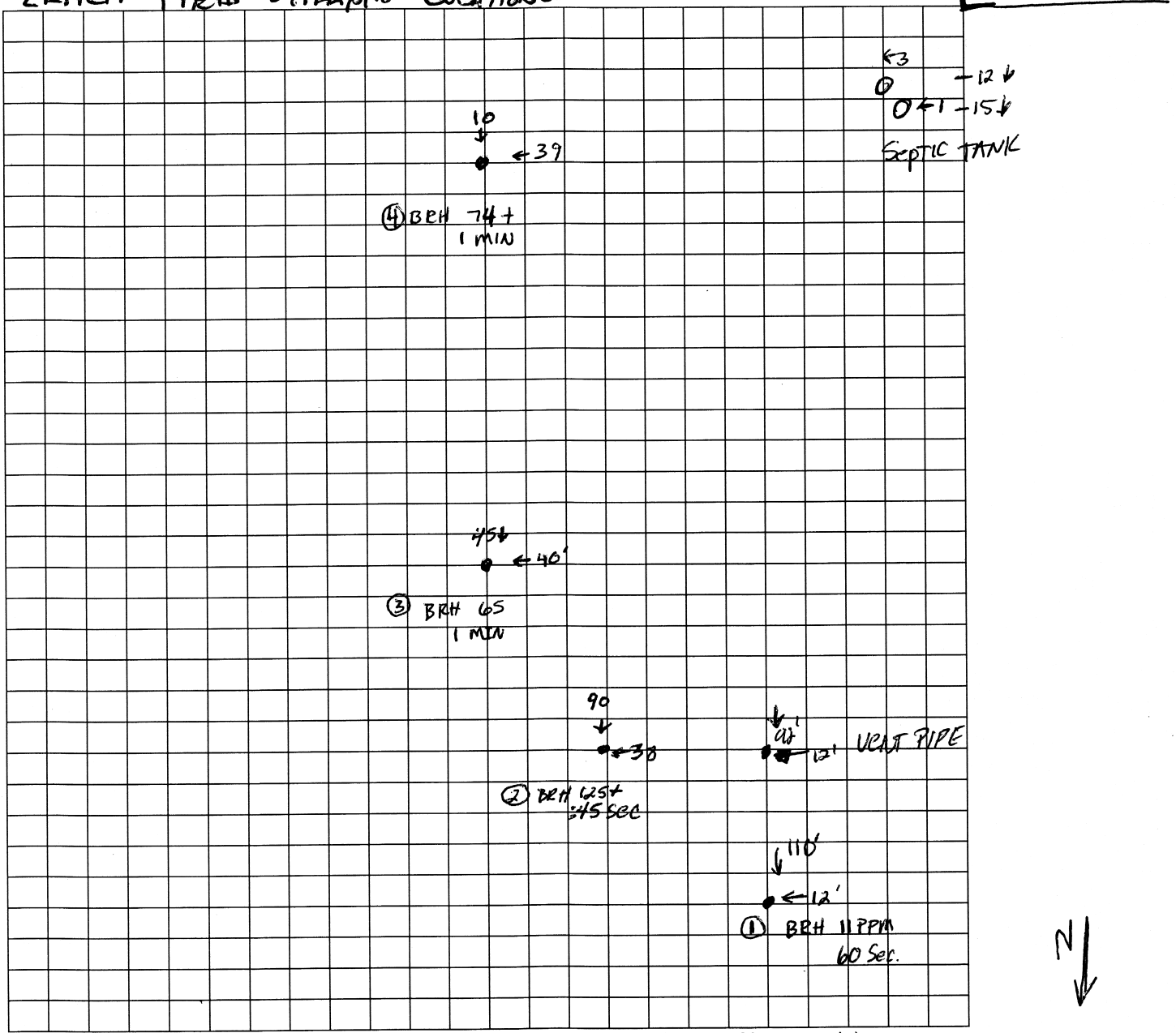
0840 on Scene
1130 - Clear

CONTAMINANT MIGRATION OBSERVATIONS

FACTs project name: 1354 Burland Drive	Form # ML6
Date: June 20, 2011	
Reporting IH:	Caoimhín P. Connell, Forensic IH

Describe/identify adjacent areas where contaminants may have migrated.

LEACH FIELD SAMPLE LOCATIONS



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

Describe the area: _____

_____

_____

_____

FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.

Pre-Remediation Photograph Log Sheet

FACTs project name: Burland	Form # ML8
Date: July 14, 2011	
Reporting IH:	Caoimhín P. Connell, Forensic IH

Name	Date taken	Name	Date taken
Attic	6/20/2011 8:52 AM	Exterior 4	6/23/2011 8:07 AM
Attic 2	6/20/2011 8:52 AM	Exterior 5	6/23/2011 8:07 AM
Attic 3	6/20/2011 8:54 AM	Exterior 6	6/23/2011 8:07 AM
Attic 4	6/20/2011 8:54 AM	Exterior 7	6/23/2011 8:07 AM
Attic 5	6/20/2011 8:53 AM	Exterior 8	6/23/2011 8:07 AM
Attic 6	6/20/2011 8:53 AM	Exterior 9	6/23/2011 8:08 AM
Attic 7	6/20/2011 8:53 AM	Exterior 10	6/23/2011 8:08 AM
Bathroom	6/20/2011 9:06 AM	Exterior 11	6/23/2011 8:08 AM
Bathroom 2	6/20/2011 9:06 AM	Exterior 12	6/23/2011 8:08 AM
Bathroom 3	6/20/2011 9:06 AM	Exterior 13	6/23/2011 8:08 AM
Bathroom 4	6/20/2011 9:06 AM	Exterior 14	6/23/2011 8:09 AM
Bathroom 5	6/20/2011 9:06 AM	Exterior 15	6/23/2011 8:09 AM
Bathroom 6	6/20/2011 9:06 AM	Exterior 16	6/23/2011 8:09 AM
Bathroom 7	6/20/2011 9:06 AM	Exterior 17	6/23/2011 8:09 AM
Bathroom 8	6/20/2011 9:06 AM	Exterior 18	6/23/2011 8:10 AM
Bathroom 9	6/20/2011 9:06 AM	Exterior 19	6/23/2011 8:11 AM
Crawlspace	6/20/2011 10:51 AM	Exterior 20	6/23/2011 8:11 AM
Crawlspace 2	6/20/2011 10:51 AM	Exterior 21	6/23/2011 8:13 AM
Crawlspace 4	6/23/2011 8:11 AM	Foyer	6/20/2011 9:02 AM
Crawlspace 5	6/23/2011 8:11 AM	Foyer 2	6/20/2011 9:02 AM
Crawlspace 6	6/23/2011 8:11 AM	Foyer 3	6/20/2011 9:03 AM
Crawlspace 7	6/23/2011 8:12 AM	Foyer Closet	6/20/2011 9:04 AM
Exterior	6/23/2011 8:06 AM	Foyer Closet 2	6/20/2011 9:04 AM
Exterior 2	6/23/2011 8:06 AM	Foyer Closet 3	6/20/2011 9:04 AM
Exterior 3	6/23/2011 8:07 AM	Gloves	6/20/2011 10:34 AM

Pre-Remediation Photograph Log Sheet

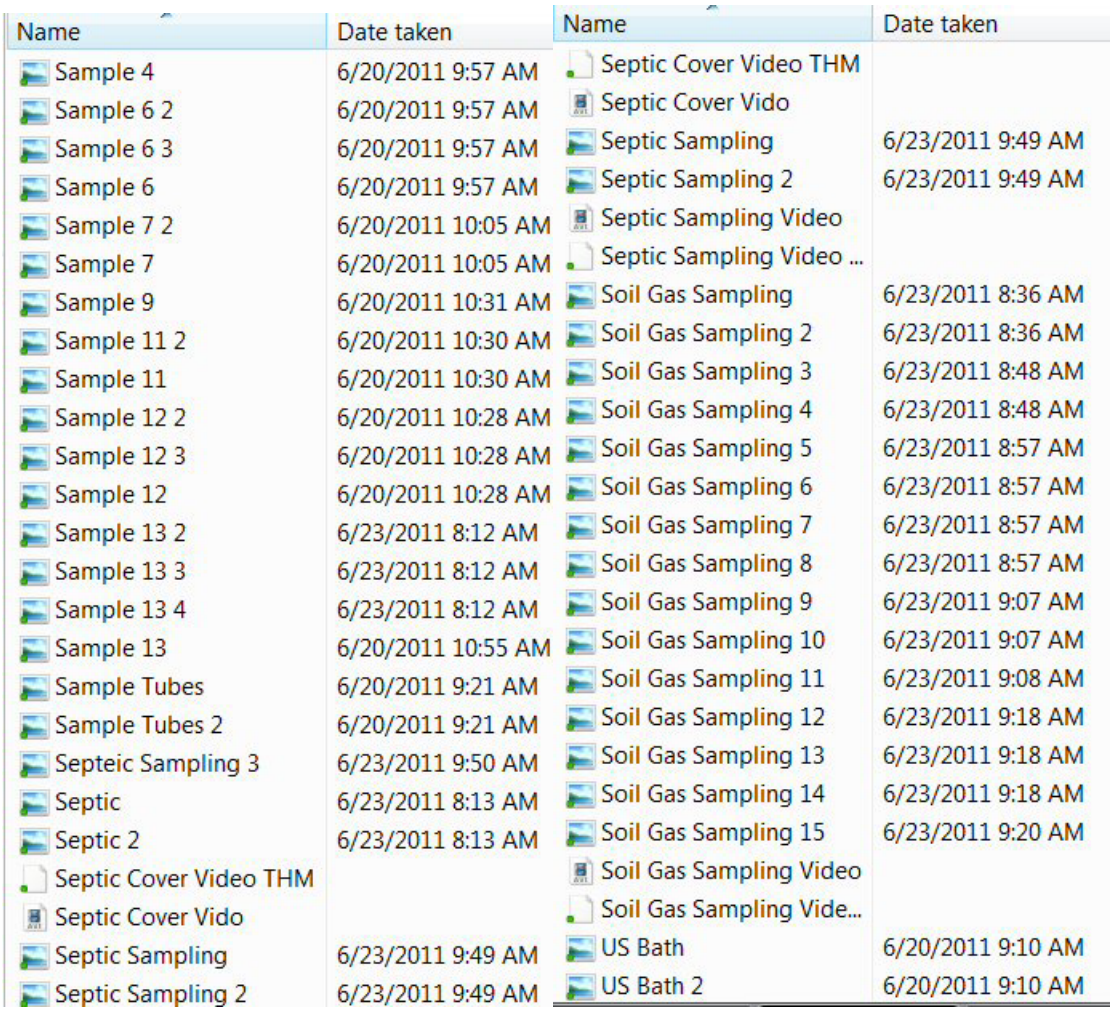
FACTs project name: Burland	Form # ML8
Date: July 14, 2011	
Reporting IH:	Caoimhín P. Connell, Forensic IH

Name	Date taken
Gloves 2	6/20/2011 10:34 AM
Gloves 3	6/20/2011 10:35 AM
Gloves 4	6/20/2011 10:35 AM
Ground flr bath	6/20/2011 7:39 AM
Ground Flr E Bdrm	6/20/2011 9:03 AM
Ground Flr E Bdrm 2	6/20/2011 9:03 AM
Ground Flr E Bdrm 4	6/20/2011 9:03 AM
Ground Flr E Bdrm 5	6/20/2011 9:03 AM
Ground Flr E Bdrm 6	6/20/2011 9:03 AM
Ground Flr E Bdrm 7	6/20/2011 9:03 AM
Ground Flr E Bdrm 8	6/20/2011 9:03 AM
Ground Flr E Bdrm 9	6/20/2011 9:03 AM
Ground Flr E Bdrm 10	6/20/2011 9:03 AM
Ground Flr E Bdrm 11	6/20/2011 9:04 AM
Ground Flr SW Bdrm	6/20/2011 9:04 AM
Ground Flr SW Bdrm 3	6/20/2011 9:05 AM
Ground Flr SW Bdrm 4	6/20/2011 9:05 AM
Ground Flr SW Bdrm 5	6/20/2011 9:05 AM
Ground Flr SW Bdrm 6	6/20/2011 9:05 AM
Ground Flr SW Bdrm 7	6/20/2011 9:05 AM
Grounf Flr E Bdrm 3	6/20/2011 9:03 AM
Grounf Flr SW Bdrm 2	6/20/2011 9:04 AM
Kitchen	6/20/2011 9:07 AM
Kitchen 2	6/20/2011 9:07 AM
Kitchen 3	6/20/2011 9:08 AM

Name	Date taken
Kitchen 4	6/20/2011 9:08 AM
Kitchen 5	6/20/2011 9:08 AM
Kitchen Living Space	6/20/2011 9:07 AM
Kitchen Living Space 2	6/20/2011 9:07 AM
Kitchen Living Space 3	6/20/2011 9:07 AM
Kitchen Living Space 4	6/20/2011 9:09 AM
Kitchen Living Space 5	6/20/2011 9:09 AM
Office	6/20/2011 9:05 AM
Office 2	6/20/2011 9:05 AM
Office 3	6/20/2011 9:05 AM
Office 4	6/20/2011 9:05 AM
Plumbing	6/20/2011 9:09 AM
Plumbing 2	6/20/2011 9:09 AM
Plumbing 3	6/20/2011 9:09 AM
Plumbing 4	6/20/2011 9:09 AM
Plumbing 5	6/20/2011 9:09 AM
Plumbing 6	6/20/2011 9:09 AM
Plumbing 7	6/20/2011 9:10 AM
Plumbing 8	6/20/2011 9:10 AM
Sample 1 2	6/20/2011 9:42 AM
Sample 1	6/20/2011 9:42 AM
Sample 2 2	6/20/2011 9:47 AM
Sample 2	6/20/2011 9:47 AM
Sample 3 2	6/20/2011 9:50 AM
Sample 3	6/20/2011 9:49 AM

Pre-Remediation Photograph Log Sheet

FACTs project name: Burland	Form # ML8
Date: July 14, 2011	
Reporting IH:	Caoimhín P. Connell, Forensic IH



Name	Date taken
Sample 4	6/20/2011 9:57 AM
Sample 6 2	6/20/2011 9:57 AM
Sample 6 3	6/20/2011 9:57 AM
Sample 6	6/20/2011 9:57 AM
Sample 7 2	6/20/2011 10:05 AM
Sample 7	6/20/2011 10:05 AM
Sample 9	6/20/2011 10:31 AM
Sample 11 2	6/20/2011 10:30 AM
Sample 11	6/20/2011 10:30 AM
Sample 12 2	6/20/2011 10:28 AM
Sample 12 3	6/20/2011 10:28 AM
Sample 12	6/20/2011 10:28 AM
Sample 13 2	6/23/2011 8:12 AM
Sample 13 3	6/23/2011 8:12 AM
Sample 13 4	6/23/2011 8:12 AM
Sample 13	6/20/2011 10:55 AM
Sample Tubes	6/20/2011 9:21 AM
Sample Tubes 2	6/20/2011 9:21 AM
Septeic Sampling 3	6/23/2011 9:50 AM
Septic	6/23/2011 8:13 AM
Septic 2	6/23/2011 8:13 AM
Septic Cover Video THM	
Septic Cover Vido	
Septic Sampling	6/23/2011 9:49 AM
Septic Sampling 2	6/23/2011 9:49 AM

Name	Date taken
Septic Cover Video THM	
Septic Cover Vido	
Septic Sampling	6/23/2011 9:49 AM
Septic Sampling 2	6/23/2011 9:49 AM
Septic Sampling Video	
Septic Sampling Video ...	
Soil Gas Sampling	6/23/2011 8:36 AM
Soil Gas Sampling 2	6/23/2011 8:36 AM
Soil Gas Sampling 3	6/23/2011 8:48 AM
Soil Gas Sampling 4	6/23/2011 8:48 AM
Soil Gas Sampling 5	6/23/2011 8:57 AM
Soil Gas Sampling 6	6/23/2011 8:57 AM
Soil Gas Sampling 7	6/23/2011 8:57 AM
Soil Gas Sampling 8	6/23/2011 8:57 AM
Soil Gas Sampling 9	6/23/2011 9:07 AM
Soil Gas Sampling 10	6/23/2011 9:07 AM
Soil Gas Sampling 11	6/23/2011 9:08 AM
Soil Gas Sampling 12	6/23/2011 9:18 AM
Soil Gas Sampling 13	6/23/2011 9:18 AM
Soil Gas Sampling 14	6/23/2011 9:18 AM
Soil Gas Sampling 15	6/23/2011 9:20 AM
Soil Gas Sampling Video	
Soil Gas Sampling Vide...	
US Bath	6/20/2011 9:10 AM
US Bath 2	6/20/2011 9:10 AM

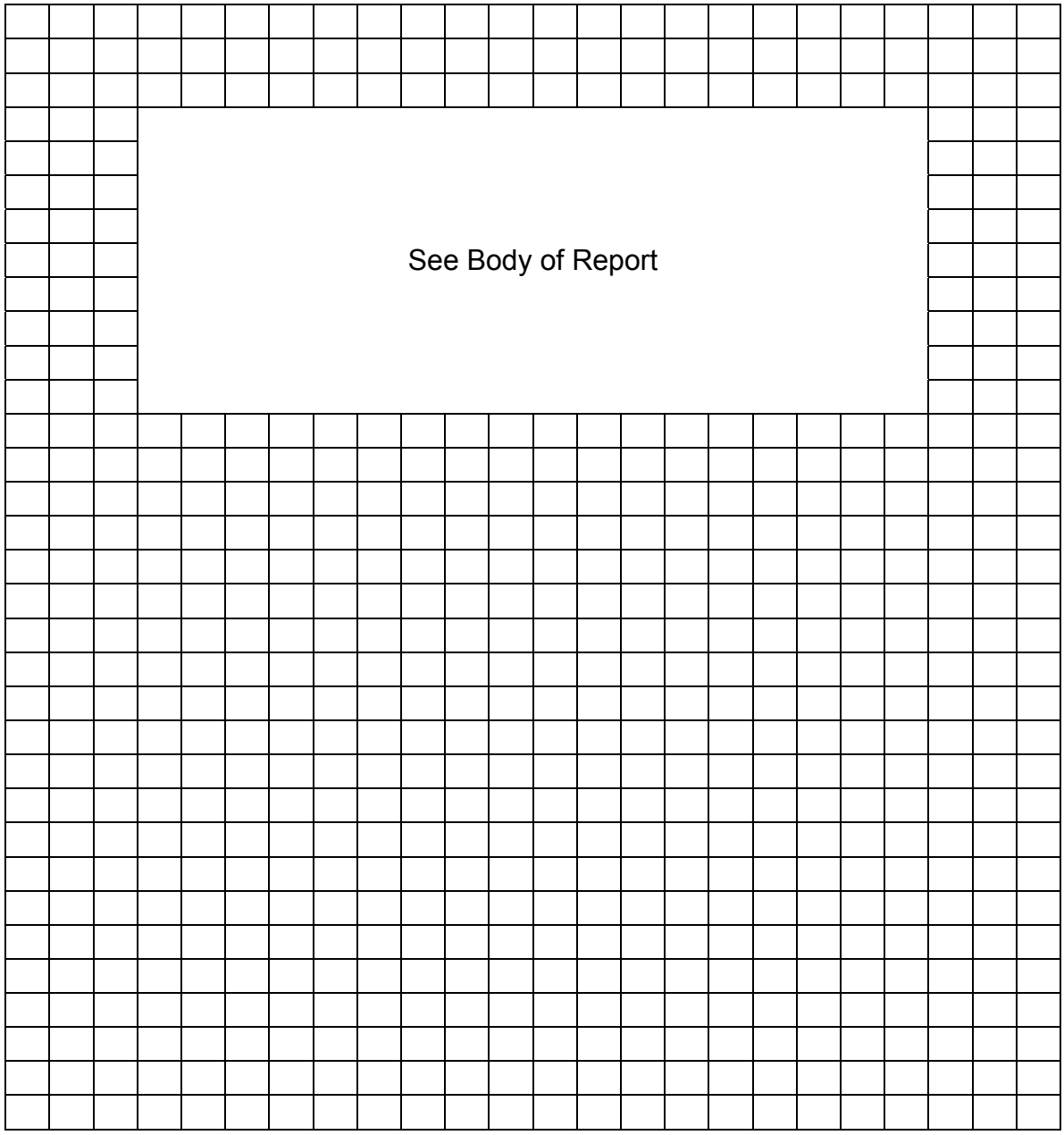
Pre-Remediation Photograph Log Sheet

FACTs project name: Burland	Form # ML8
Date: July 14, 2011	
Reporting IH:	Caoimhín P. Connell, Forensic IH

Name	Date taken
US Bath 2	6/20/2011 9:10 AM
US Bath 3	6/20/2011 9:10 AM
US Bath 4	6/20/2011 9:10 AM
US Hall	6/20/2011 9:12 AM
US NW Bdrm	6/20/2011 9:12 AM
US NW Bdrm 2	6/20/2011 9:12 AM
US NW Bdrm 3	6/20/2011 9:12 AM
US NW Bdrm 4	6/20/2011 9:12 AM
US NW Bdrm 5	6/20/2011 9:12 AM
US NW Bdrm 6	6/20/2011 9:12 AM
US NW Bdrm 7	6/20/2011 9:12 AM
US SW Bddrm 11	6/20/2011 9:12 AM
US SW Bdrm	6/20/2011 9:10 AM
US SW Bdrm 2	6/20/2011 9:10 AM
US SW Bdrm 3	6/20/2011 9:10 AM
US SW Bdrm 4	6/20/2011 9:11 AM
US SW Bdrm 5	6/20/2011 9:11 AM
US SW Bdrm 6	6/20/2011 9:11 AM
US SW Bdrm 7	6/20/2011 9:11 AM
US SW Bdrm 8	6/20/2011 9:11 AM
US SW Bdrm 9	6/20/2011 9:11 AM
US SW Bdrm 10	6/20/2011 9:11 AM
Walkthrough Video	
Walkthrough Video THM	

Drawing of Cook Area(s)

FACTs project name: 1354 Burland Drive	Form # ML10
Date: June 20, 2011	
Reporting IH:	Caoimhín P. Connell, Forensic IH



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

Describe the area:_____

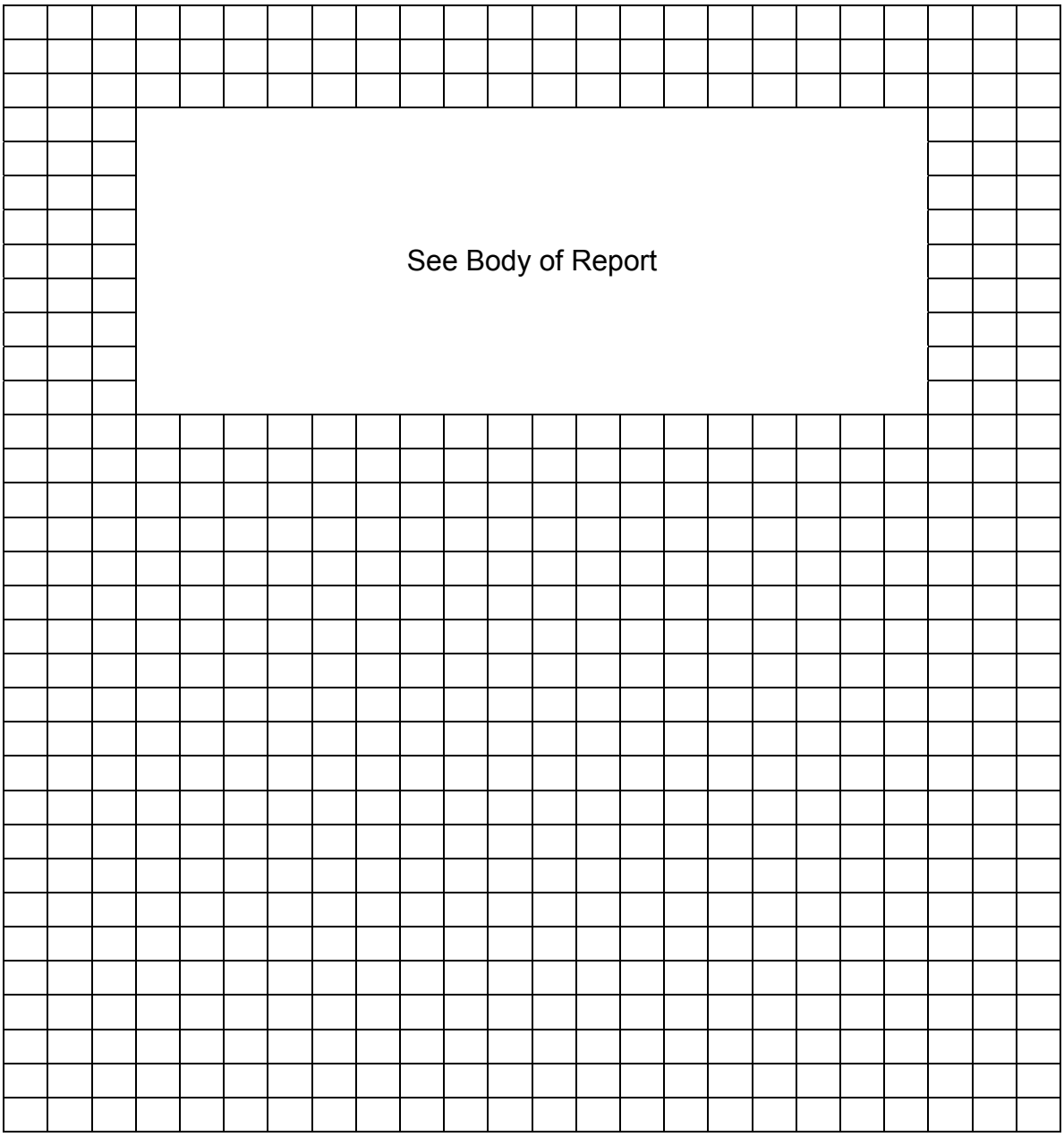
_____

_____

_____

Drawing of Storage/Disposal Area(s)

FACTs project name: 1354 Burland Drive	Form # ML11
Date: June 20, 2011	
Reporting IH:	Caoimhín P. Connell, Forensic IH



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

Describe the area:_____

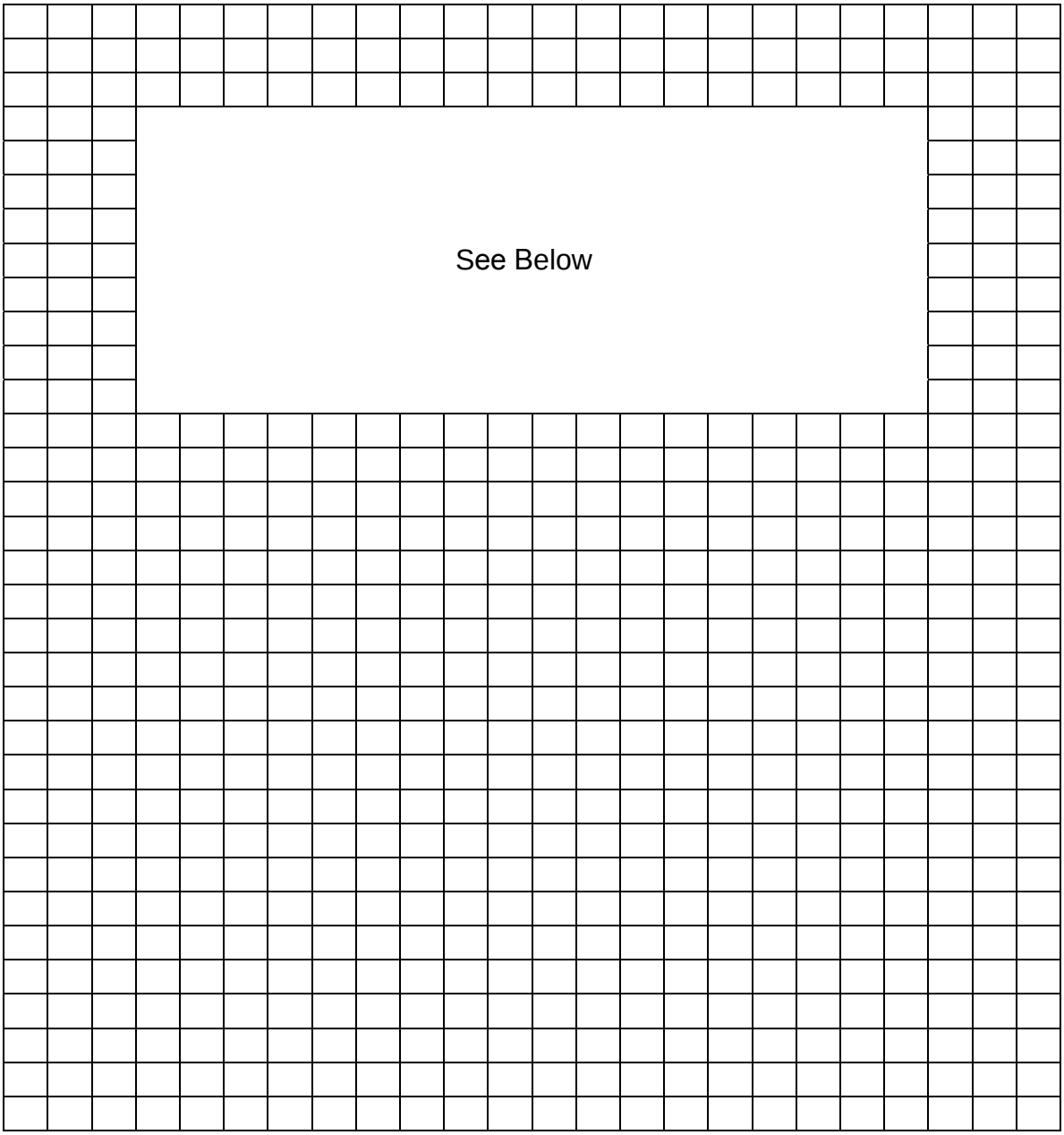
_____

_____

_____

Drawing of General Lab Area

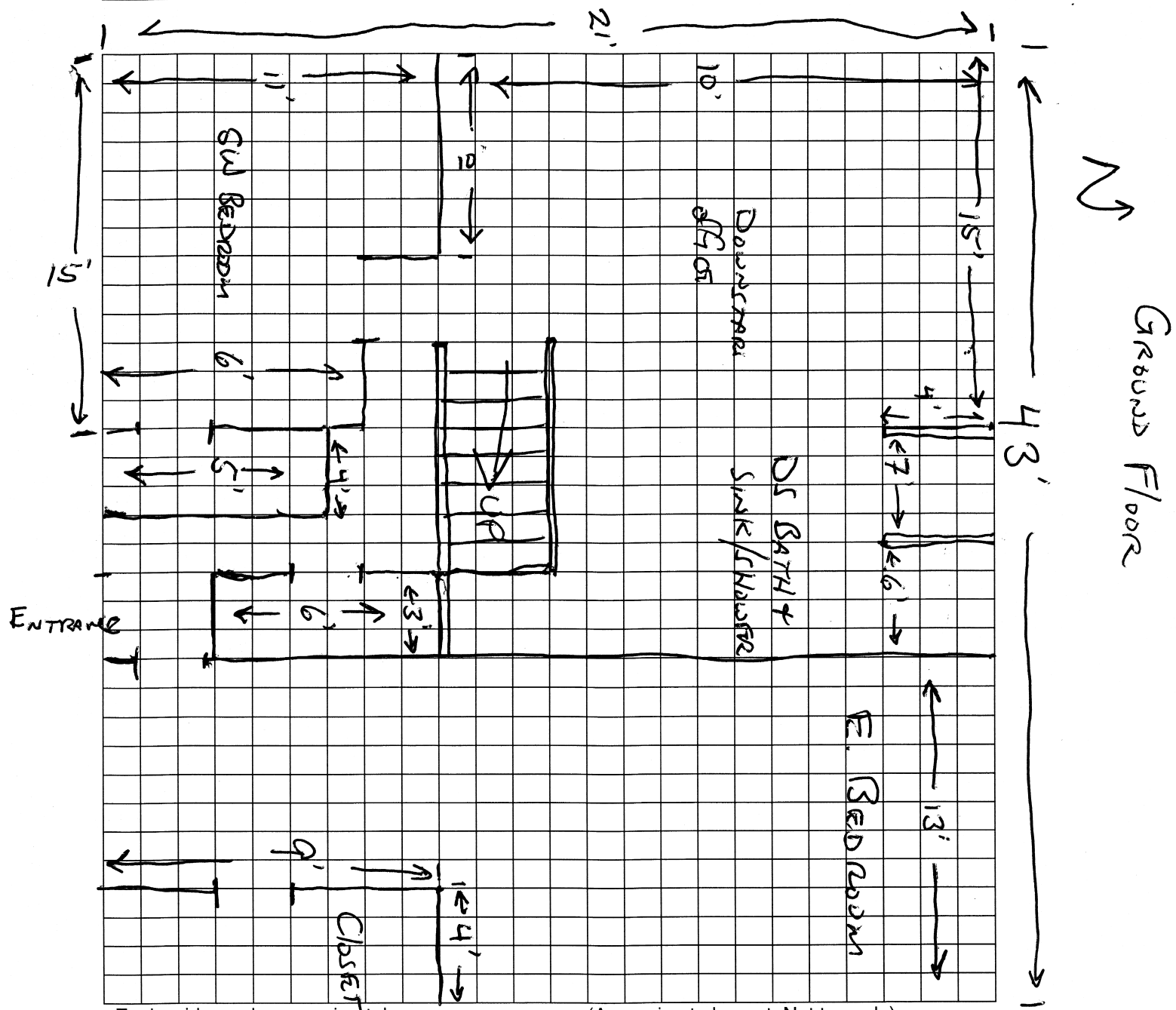
FACTs project name: 1354 Burland Drive	Form # ML12
Date: June 20, 2011	
Reporting IH:	Caoimhín P. Connell, Forensic IH



Each grid equals approximately _____ (Approximate lay-out; Not to scale)
Describe the area:_____
_____
_____
_____

Drawing of General Lab Area

FACTs project name: 1354 Burland Drive	Form # ML12
Date: June 20, 2011	
Reporting IH:	Caoimhín P. Connell, Forensic IH



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

Describe the area:_____

_____

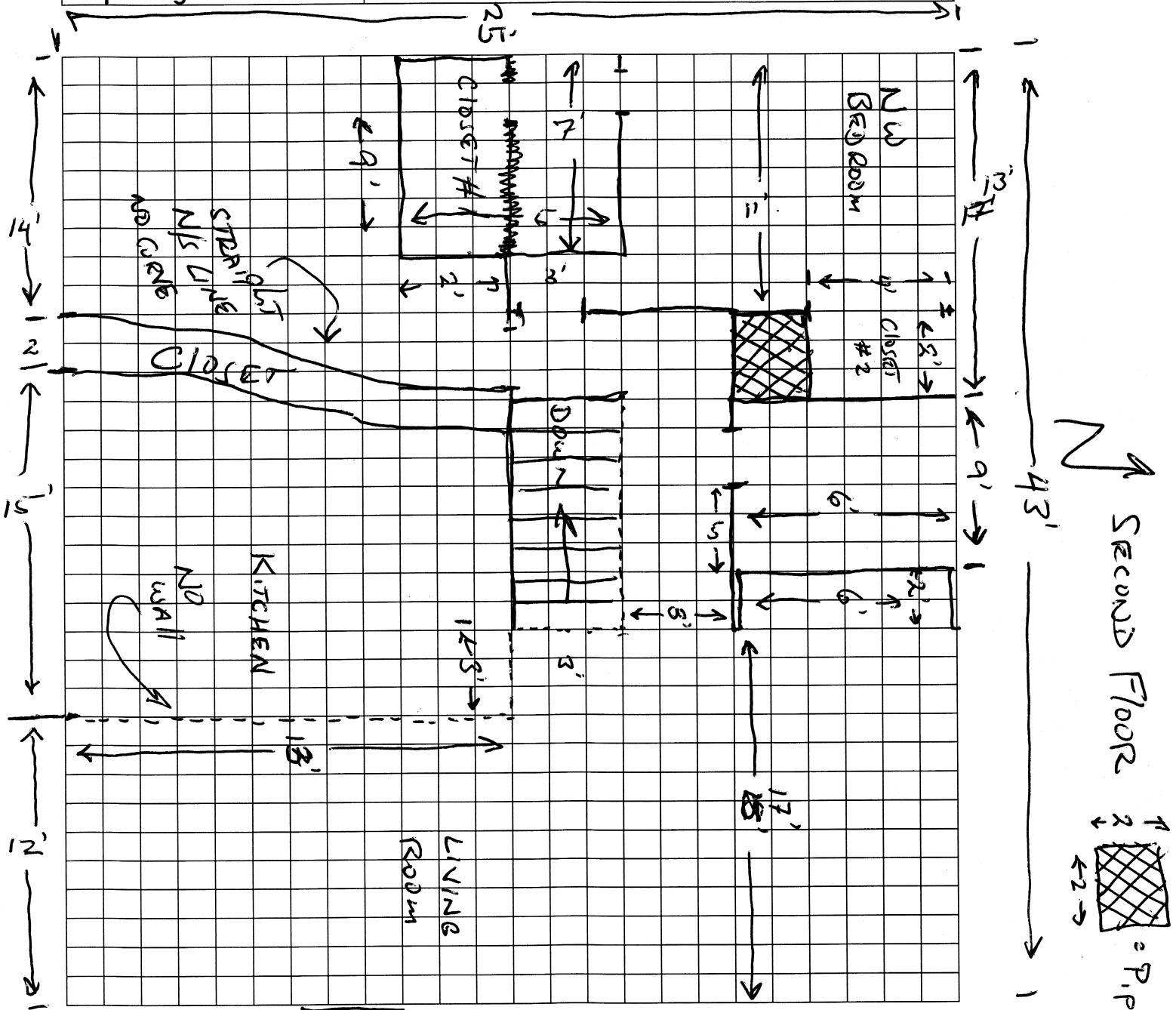
_____

_____

Drawings Tech Time CPC=
0845 → 0945

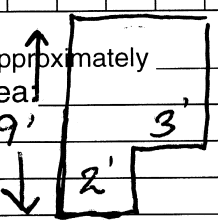
Drawing of Storage/Disposal Area(s)

FACTs project name: 1354 Burland Drive	Form # ML11
Date: June 20, 2011	
Reporting IH:	Caoimhín P. Connell, Forensic IH



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

Describe the area:



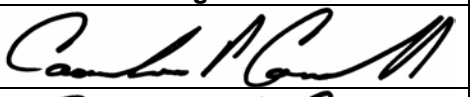
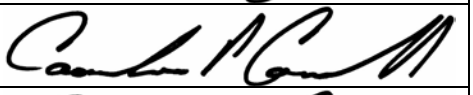
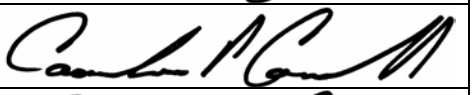
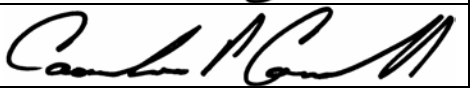
Interior of Closet #1

Forensic Applications Consulting Technologies, Inc.

CERTIFICATION, VARIATIONS AND SIGNATURE SHEET

FACTs project name: 1354 Burland Drive	**Form # ML14**
Date: June 20, 2011	
Reporting IH:	**Caoimhín P. Connell, Forensic IH**

Certification

Statement	Signature
I do hereby certify that I conducted a preliminary assessment of the subject property in accordance with 6 CCR 1014-3, § 4.	
I do hereby certify that 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 known deviation of standard occurred.

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: July 14, 2011

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:	Burland	Form # ML15
Date July 14, 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 served as the Industrial Hygiene Subject Matter Expert for the Department of Homeland Security, IAB (Health, Medical, and Responder Safety SubGroup), from 2009 and was elected full member of the HMRS in 2011, 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 condominia. Mr. Connell has conducted over 240 assessments in illegal drug labs in Colorado, Nebraska and Oklahoma, and collected over 2,330 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.

FINAL SAMPLING CHECKLIST

FACTs project name:	**Burland**	**Form # ML18**
Date: July 14, 2011		
Reporting IH:	**Caoimhín P. Connell, Forensic IH**	

Functional Space #	Cleared with Sample #	General Sampling Considerations	
1	BM062011-01	Floor Space Area of Lab (ft^2)	**2,531**
2	BM062011-02	One extra sample is required for every 500 ft^2 of floor space >1,500ft^2. Enter number of extra samples required:	**3**
3	BM062011-03	Enter minimum number of final samples required based on floor space.	**8**
4	BM062011-04	Enter Number of Functional Spaces to be included	**11**
5	BM062011-06	Enter the minimum number of sample required based on the number of functional spaces	**11**
6	BM062011-07	Is the lab a motor vehicle?	**No**
7	BM062011-08	Does the lab contain motor vehicles?	**No**
8	BM062011-09	Enter number of motor vehicles associated with the lab:	**0**
9	BM062011-11	Are the vehicles considered functional spaces of the lab?	**NA**
10	BM062011-12	For vehicles that are merely functional spaces, one extra 500 cm^2 sample is required for each vehicle. Enter the number of extra samples for functional space vehicles:	**0**
11	BM062011-13	Enter number of large vehicles (campers, trailers, etc)	**0**
This Space Blank		One extra sample is required for every 50 ft^2 of floor space of large vehicles. Enter number of extra samples required:	**0**
		Enter total number of samples to be collected.	**11**
		One BX must be included for every 10 samples. Enter the number of BX required.	**2**
		Enter total number of samples/BXs required	**13**
		Enter total number of samples/BXs actually collected	**13**
		Collected a minimum of 5 samples from the lab?	**Yes**
		Collected a minimum of 3 discrete samples from the lab?	**Yes**
		Collected minimum of 500 cm^2 per functional space?	**Yes**
		Collected minimum of 1,000 cm^2 surface area from the lab?	**Yes**
This Space Blank		Sketch of the sample locations performed?	**Yes**

This functional space was discovered during the final verification sampling, and is not discussed in the Preliminary Assessment.

Appendix B

Analytical Reports for FACTs Samples

SAMPLING FIELD FORM

FACTs project name: Burland	**Form # ML17**
Date: June 20, 2011	**Alcohol Lot#: A11Ø1 Gauze Lot#: G1ØØ6**
Reporting IH: Caoimhín P. Connell, Forensic IH	**Preliminary X Intermediate____ Final _____**

Sample ID BMØ62Ø11	Type	Location	Funct. Space	Dimensions	Substrate
-Ø1	W	FOYER HALL CLOSET TOP of LIGHT	1	20x25	PL
-Ø2	W	EAST BEDROOM CEILING FAN	2	3x(5x35)	LW
-Ø3	W	WEST BEDROOM TOP of CLOSET SHELF	3	18x28	PW
-Ø4	W	DOWNSTAIRS OFFICE, N WALL TOP W CORNER	4	20x25	PDW
-Ø5	W	BX	NA	— NA —	
-Ø6	W	DOWNSTAIRS BATH TOP of W WINDOW SILL	5	13x28	VW
-Ø7	W	KITCHEN TOP of CABINET	6	20x25	PW
-Ø8	W	UPSTAIRS BATH TOP of MEDICINE CHEST	7	10x5Ø	PM
-Ø9	W	UPSTAIRS NW BEDROOM TOP of CEILING FAN	8	NOTE 1	VW
-1Ø	W	BX	NA	— NA —	
-11	W	UPSTAIRS SW BEDROOM TOP of N. CLOSET	9	23x23	PDW
-12	W	ATTIC ELECTRIAL CONDUIT	10	420x1.5	PL
-13	W	CRAWLSPACE	11		
-14	W				
-15	W				

Sample Types: W=Wipe; V=Microvacuum; A=Air; B=Bulk; L=liquid
Surfaces: DW= Drywall, P=Painted; W= Wood, L= Laminated, V= Varnished, M= Metal, C=Ceramic, Pl=Plastic

#2 5% UNDERSAMPLED
#7 50% UNDERSAMPLED
#8 10% UNDERSAMPLED

NOTE 1: TRAPAZOID B1=10 B2=14 h=42 = 504 cm²
#11 50% UNDERSAMPLED

REI LAB Reservoirs Environmental, Inc.

FACTs

Final Report

RES 215133-1

June 27, 2011

P: 303-964-1986
F: 303-477-4275

5801 Logan Street, Suite 100 Denver, CO 80216

1-866-RESI-ENV
www.reilab.com

REI LAB **Reservoirs Environmental, Inc.**

June 27, 2011

Laboratory Code:	**RES**
Subcontract Number:	**NA**
Laboratory Report:	**RES 215133-1**
Project # / P.O. #:	**Burland**
Project Description:	**None Given**

FACTs
185 Bounty Hunter Ln.
Bailey CO 80421

Dear Customer,

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

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

RES 215133-1 is the job number assigned to this study. This report is considered highly confidential and the sole property of the customer. Reservoirs Environmental, Inc. will not discuss any part of this study with personnel other than those authorized by the client. The results described in this report only apply to the samples analyzed. This report shall not be reproduced except in full, without written approval from Reservoirs Environmental, Inc. Samples will be disposed of after sixty days unless longer storage is requested. If you should have any questions about this report, please feel free to call me at 303-964-1986.

Sincerely,

Jeanne Spencer Orr
President

Analyst(s): _____
Mike Schaumloeffel

RESERVOIRS ENVIRONMENTAL, INC.

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

TABLE I. ANALYSIS: METHAMPHETAMINE BY WIPE

RES Job Number:	**RES 215133-1**
Client:	**FACTs**
Client Project Number / P.O.:	**Burland**
Client Project Description:	**None Given**
Date Samples Received:	**June 22, 2011**
Analysis Type:	**Methamphetamine by GCMS**
Turnaround:	**5 Day**
Date Samples Analyzed:	**June 27, 2011**

Client ID Number	Lab ID Number	Reporting Limit** (µg)	METHAMPHETAMINE CONCENTRATION (µg)
BM062011-01	EM 754901	0.03	BRL
BM062011-02	EM 754902	0.03	BRL
BM062011-03	EM 754903	0.03	0.19
BM062011-04	EM 754904	0.03	BRL
BM062011-05	EM 754905	0.03	BRL
BM062011-06	EM 754906	0.03	BRL
BM062011-07* **	EM 754907	0.03	0.08
BM062011-08* **	EM 754908	0.03	BRL
BM062011-09* **	EM 754909	0.03	BRL
BM062011-10	EM 754910	0.03	BRL
BM062011-11* **	EM 754911	0.03	0.08
BM062011-12* **	EM 754912	0.03	0.05
BM062011-13	EM 754913	0.03	BRL

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

****Client defined reporting limit as 0.03µg.**

*****Sample showed heavy interferences, which may have diminished the ability to accurately quantify both the internal standard and possible methamphetamine. All attempts to remove the interferences were made.**

Data QA _____

P: 303-964-1986
F: 303-477-4275

1-866-RESI-ENV
www.reilab.com

RESERVOIRS ENVIRONMENTAL, INC.

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

QUALITY CONTROL: METHAMPHETAMINE BY WIPE

RES Job Number:	**RES 215133-1**
Client:	**FACTs**
Client Project Number / P.O.:	**Burland**
Client Project Description:	**None Given**
Date Samples Received:	**June 22, 2011**
Analysis Type:	**Methamphetamine by GCMS**
Turnaround:	**5 Day**
Date Samples Analyzed:	**June 27, 2011**

Quality Control Batch	Reporting Limit (µg/100cm²)	Matrix Blank (µg/100cm²)	Matrix Duplicate (% RPD)	Matrix Spike (% Recovery)	Laboratory Control Sample (% Recovery)
1	0.05	BRL	3	92	97

*** Unless otherwise noted all quality control samples performed within specifications established by the laboratory.**
**** These analytical results meet NELAC requirements.**

Data QA _____

P: 303-964-1986
F: 303-477-4275

1-866-RESI-ENV
www.reilab.com

RES 215133

Due Date: 6-27-6-29
Due Time: 1210

Reservoirs Environmental, Inc.

REI LAB

5801 Logan St. Denver, CO 80216 • Ph: 303 964-1986 • Fax 303-477-4275 • Toll Free :866 RESI-ENV
Pager : 303-509-2098

INVOICE TO: (IF DIFFERENT)		CONTACT INFORMATION:	
Company: FACTS	Company:	Contact: Caoimhin P. Connell	Contact:
Address: 185 Bounty Hunter Ln Bailey	Address: Paid V# 3046	Phone: 303-903-7494	Phone:
		Fax:	Fax:
		Cell/pager:	Cell/pager:
Project Number and/or P.O. #: BT Burland		Final Data Deliverable Email Address: admin@forensic-applications.com	
Project Description/Location:			

ASBESTOS LABORATORY HOURS: Weekdays: 7am - 7pm

PLM / PCM / TEM ___ RUSH (Same Day) ___ PRIORITY (Next Day) ___STANDARD (Rush PCM = 2hr, TEM = 6hr.)

CHEMISTRY LABORATORY HOURS: Weekdays: 8am - 5pm

Metal(s) / Dust ___ RUSH ___ 24 hr. ___3-5 Day

RCRA 8 / Metals & Welding Fume Scan / TCLP ___ RUSH ___ 5 day ___10 day

Organics ___ 24 hr. ___ 3 day ___5 Day

Prior notification is required for RUSH turnarounds.

MICROBIOLOGY LABORATORY HOURS: Weekdays: 9am - 6pm

E.coli O157:H7, Coliforms, S.aureus ___ 24 hr. ___2 Day ___3-5 Day

Salmonella, Listeria, E.coli, APC, Y & M ___ 48 Hr. ___3-5 Day

Mold ___ RUSH ___24 Hr ___48 Hr ___3 Day ___7 Day

Turnaround times establish a laboratory priority, subject to laboratory volume and are not guaranteed. Additional fees apply for afterhours, weekends and holidays.

Special Instructions: REPORT TOTAL AS STANDARD DETECTION LIMIT (0.03 ng)

VALID MATRIX CODES

Air = A	Bulk = B
Dust = D	Paint = P
Soil = S	Wipe = W
Swab = SW	F = Food
Drinking Water = DW	Waste Water = WW
O = Other	

ASTM E1792 approved wipe media only

Client sample ID number (Sample ID's must be unique)	PLM - Short report, Long report, Point Count	TEM - AHERA, Level II, 7402, ISO, +/-, Quant, Semi-quant, Micro-vac, ISO-Indirect Preps	PCM - 7400A, 7400B, OSHA	DUST - Total, Respirable	METALS - Analyte(s) RCRA 8, TCLP, Welding Fume, Metals Scan	ORGANICS - METH	MICROBIOLOGY: Salmonella: +/-	E.coli O157:H7: +/-	Listeria: +/-	Aerobic Plate Count: +/- or Quantification	E.coli: +/- or Quantification	Coliforms: +/- or Quantification	S.aureus: +/- or Quantification	Y & M: +/- or Quantification	Mold: +/- or Quantification	OTHER - Methamphetamine	Sample Volume (L) / Area	Matrix Code	# Containers	Date Collected mm/dd/yy	Time Collected hh/mm a/p	EM Number (Laboratory Use Only)
1	BM062011 - 01															X						754901
2	- 02															X						2
3	- 03															X						3
4	- 04															X						4
5	- 05															X						5
6	- 06															X						6
7	- 07															X						7
8	- 08															X						8
9	- 09															X						9
10	- 10															X						10

Number of samples received: 13 (Additional samples shall be listed on attached long form.)

NOTE: REI will analyze incoming samples based upon information received and will not be responsible for errors or omissions in calculations resulting from the inaccuracy of original data. By signing client/company representative agrees that submission of the following samples for requested analysis as indicated on this Chain of Custody shall constitute an analytical services agreement with payment terms of NET 30 days, failure to comply with payment terms may result in a 1.5% monthly interest surcharge.

Relinquished By: _____ Date/Time: 6/22/11 1210

Laboratory Use Only
Received By: _____ Date/Time: 6.22.11 1210 Carrier: Hand

Sample Condition: On Ice Yes / No Sealed Yes / No Intact (Yes) / No
Temp. (F°) _____

Results:	Contact	Phone	Email	Fax	Date	Time	Initials	Contact	Phone	Email	Fax	Date	Time	Initials
	Contact	Phone	Email	Fax	Date	Time	Initials	Contact	Phone	Email	Fax	Date	Time	Initials

Reservoirs Environmental, Inc.
5801 Logan St. Denver, CO 80216 • Ph: 303 964-1986 • Fax 303-477-4275 • Toll Free :866 RESI-ENV

RES Job # 215133 Page 2 of ____

Submitted by: FACTS

STANDARD D.L. (0.03 NG/SAMPLE)
REPORT TOTAL NG ONLY

Client sample ID number (Sample ID's must be unique)	PLM - Short report, Long report, Point Count	TEM - AHERA, Level II, 7402, ISO, +/-, Quant, Semi-quant, Micro-vac, ISO-Indirect Preps	PCM - 7400A, 7400B, OSHA	DUST - Total, Respirable	METALS - Analyte(s) RCRA 8, TCLP, Welding Fume, Metals Scan	ORGANICS - BTEX, MTBE, 8260, GRO, METH	MICROBIOLOGY: Salmonella: +/-	MICROBIOLOGY: E.coli O157:H7: +/-	MICROBIOLOGY: Listeria: +/-	MICROBIOLOGY: Aerobic Plate Count: +/- or Quantification	MICROBIOLOGY: E.coli: +/- or Quantification	MICROBIOLOGY: Coliforms: +/- or Quantification	MICROBIOLOGY: S.aureus: +/- or Quantification	MICROBIOLOGY: Yeast:Mold: +/- or Quantification	OTHER - METHAMPHETAMINE	Sample Volume (L) / Area	Matrix Code	# Containers	Date Collected mm/dd/yy	Time Collected hh/mm a/p	EM Number (Laboratory Use Only)
11 RM0620 11- 11															X						754911
12 12															X						12
13 13															X						13
14																					
15																					
16																					
17																					
18																					
19																					
20																					
21																					
22																					
23																					
24																					
25																					
26																					
27																					
28																					
29																					
30																					
31																					
32																					
33																					
34																					
35																					
36																					
37																					
38																					
39																					
40																					
41																					

VALID MATRIX CODES

Air = A	Bulk = B
Dust = D	Paint = P
Soil = S	Wipe = W
Swab = SW	F = Food
Drinking Water = DW	Waste Water = WW
O = Other	

ASTM E1792 approved wipe media only

LAB NOTES:

Page 6 of 6

ANALYTICAL CHEMISTRY INC.

Established in 1979

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

Website: www.acilabs.com

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

Lab Reference:	11129-10
Date Received:	April 12, 2011
Date Completed:	April 13, 2011

April 13, 2011

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

CLIENT REF: Burland

SAMPLES: wipes/2

ANALYSIS: Methamphetamine by Gas Chromatography-Mass Spectrometry.

RESULTS: in total micrograms (ug)

Sample	***Methamphetamine, ug***	***% Surrogate Recovery***
BM041111-01	0.033	99
BM041111-02	0.053	97
QA/QC Method Blank	< 0.004	
QC 0.100 ug Standard	0.097	
QA 0.020 ug Matrix Spike	0.022	
QA 0.020 ug Matrix Spike Duplicate	0.021	
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.

4611 S 134th Pl, Ste 200 Tukwila WA 98168-3240
Website: www.acilabs.com
Phone: 206-622-8353
FAX: 206-622-4623

CDL SAMPLING & CUSTODY FORM

Please do not write in shaded areas.

SAMPLING DATE:	~~March 8, 2011~~ 4/11/11	REPORT TO:	Caoimhín P. Connell
PROJECT Name/No:	~~Hooker~~ BURLAND	COMPANY:	Forensic Applications, Inc.
eMail:	Fiosrach@aol.com	ADDRESS:	185 Bounty Hunters Lane, Bailey, CO 80421
SAMPLER NAME:	Caoimhín P. Connell	PHONE	303-903-7494

ANALYSIS REQUESTED

1	Methamphetamine
2	Use entire contents
3	Normal Turn-around time
4	RUSH
5	Weigh and report in mg
6	Not Submitted

LAB Number	Sample Number	SAMPLE MATRIX			ANALYSIS REQUESTS						SAMPLER COMMENTS	LAB COMMENTS	No of Containers
		Wipe	Vacuum	Other	1	2	3	4	5	6			
	~~HM030811-01~~												
	~~HM030811-02~~												
	BMΦ41111-Φ1	X			X	X		X			RUSH!		1
	-Φ2	X			X	X		X			RUSH!		1

CHAIN OF CUSTODY RECORD

Wipes Results in: ☐ µg/100cm² ☒ Total µg

Total Number of Containers (verified by laboratory) 2

PRINT NAME	Signature	COMPANY	DATE	TIME	Turnaround Time			
Caoimhín P. Connell		FACTs, Inc.	~~03/08/2011~~ 4/11/11	16:58	☒ 24 Hours (2X)	Custody Seals:	Yes	No
MIA SAZON		ACI	4/12/11	1540	☐ 2 Days (1.75X)	Container:	Intact	Broken
					☐ 3 Days (1.5X)	Temperature:	Ambient	Cooled
					☒ Routine	Inspected By:	MIA SAZON	
						Lab File No.	11129-10	

Appendix C

Analytical Methods
(See Attached DVD)

Appendix D

Initial Industrial Hygiene Report
(See Attached DVD)

Appendix E

Compact Digital Disc (DVD)
Photographs and Video(s)