



**CLIENT**

**DENNIS JORDAN**  
347 Darlington Way  
Colorado Springs, Colorado 80906

**PROJECT**

**PRELIMINARY METHAMPHETAMINE ASSESSMENT**  
7465 Cabin Ridge Drive  
Fountain, Colorado 80911

**CONSULTANT**

**OCCUPATIONAL HEALTH TECHNOLOGIES, INC.**  
2220 East Bijou Street, Suite 153  
Colorado Springs, Colorado 80909

**PROJECT DATE**

October 6, 2008

**INVESTIGATED & REPORTED BY**

**THOMAS F. ANTONSON**  
Director/Senior Industrial Hygienist

# Occupational Health Technologies, Inc.



A/P - A/R: 171 University Circle  
Pueblo, Colorado 81005-1650  
(719) 566-0422

Lab: 2220 East Bijou Street, Suite 153  
Colorado Springs, Colorado 80909  
(719) 227-8511 FAX (719) 227-8501

## PRELIMINARY METHAMPHETAMINE ASSESSMENT

**7465 Cabin Ridge Drive  
Fountain, Colorado 80911**

On October 6, 2008, Occupational Health Technologies, Inc. conducted a preliminary assessment and testing for methamphetamine residue at 7465 Cabin Ridge Drive, in Fountain, Colorado for Dennis Jordan, the representative for the property. The testing was conducted at the request of the property owner because the property was subject to law enforcement action by the Colorado Springs Police Department that found material consistent with a methamphetamine laboratory in 2002. The property is retained on the City of Colorado Springs official website in conjunction with the Colorado Springs Police Department to maintain public records for the identification of clandestine methamphetamine laboratories.

### **Property Description**

The affected property is a single family Tri level residential structure of 944 square feet. It is located in a residential area of Fountain, Colorado in a neighborhood of single family residential buildings. The legal description of the property is LOT 56 BLK 5 SUNRISE RIDGE SUB FIL NO 6 Fountain Colorado. The property is recently vacant.

### **Law Enforcement Reports**

The owner of the property has not disclosed a copy of the Colorado Springs Police report regarding the incident to Occupational Health Technologies; therefore we are unable to incorporate information, including but not limited to: manufacturing methods, chemicals used, areas of contamination, chemical storage areas, waste disposal areas, cooking areas, plumbing system conditions, and signs of contamination from the police report in our report at this time.

### **Functional Spaces**

The following functional spaces were identified:

Upper Floor Attic  
Upper Floor Kitchen

Upper Floor Dining  
Upper Floor Large East Bedroom  
Upper Floor Bathroom  
Upper Floor Small East Bedroom  
Lower Floor Den w/fireplace/utility  
Lower Floor Small East Bedroom  
Lower Floor Large East Bedroom  
Lower Floor Bathroom  
Middle Floor Entry way  
Garage (Attached)  
Garage Attic

### **Adjacent/Common Areas**

There are no adjacent or common areas.

### **Ventilation Systems**

There is a forced air gas heating system.

### **Photographic Documentation**

Photographic documentation is included in this assessment.

## **SAMPLING METHODS**

### **Methamphetamine**

The State of Colorado has established regulations pertaining to the cleanup of clandestine drug labs. These regulations have established strict guidelines for the investigation, cleanup, and clearance testing of these drug labs. These regulations were effective March 30, 2005 and do not apply to this property, however, they set the standard now required in relation to real estate disclosure law in Colorado (Colorado Revised Statutes for Methamphetamine Manufacturing Lab Disclosure Law, 38-35.7-103) in regard to residential real estate property. Additionally, the El Paso County Health Department has promulgated regulations for enforcement of the regulations.

To determine the presence of methamphetamine and quantify the amounts, the functional spaces identified were selected for testing. Testing was completed on: walls, ceilings (except where "pop corn" surfacing existed, floors (except where there was carpeting), windows, shower/tub and other surfaces of the functional spaces within the property.

Five sample sites were selected at random within the functional spaces. The five sample sites were combined to form one composite sample. To avoid cross contamination, separate 100 square centimeter templates were used for each sampling site and latex gloves were changed for each sample.

Isopropyl alcohol solvent was applied to the calibrated 100 square centimeter areas. These wet surfaces were wiped with cotton swabs to collect all surface residue and dust.

The samples were then placed in a labeled, 6-mil poly bag, sealed and shipped by priority overnight to Reservoirs Environmental Inc. This laboratory is accredited by the American Industrial Hygiene Association for chemical analysis.

The analysis uses the process of High Pressure Liquid Chromatography and Mass Spectrometry Detection employing an Isotopic Dilution approach with the d-5 deuterated methamphetamine as an internal standard and external calibration with authentic methamphetamine. The instrumentation, which is capable of measuring levels of chemicals in the "parts per trillion" range, used an analytical sensitivity of <math><0.050\ \mu\text{g}</math>, which allowed the final analysis to be reported in total micrograms of methamphetamine per 100 square centimeters.

### RESULTS

The results for each functional space are as follows:

Composite Sample of 500 sq. cm.	
Upper Floor Attic	0.05 ug/100cm <sup>2</sup> *
Upper Floor Kitchen	BRL*
Upper Floor Dining	BRL*
Upper Floor Bathroom	BRL*
Upper Floor Small East Bedroom	BRL*
Lower Floor Den w/fireplace/utility	0.21 ug/100cm <sup>2</sup> *
Lower Floor Small East Bedroom	BRL*
Lower Floor Large East Bedroom	BRL*
Lower Floor Bathroom	BRL*
Middle Floor Entry Way	BRL*
Garage (Attached)	BRL*
Upper Floor Large East Bedroom	BRL*
Garage Attic	BRL*

\*BRL= Below Readable Level

The standard for clearance purposes in the State of Colorado composite samples of 500 square centimeters is 0.1 ug/100 cm<sup>2</sup>. One composite sample collected exceeded the criteria. Appendix A of 6 CCR 1014-3 states that for any given functional space, at least 500 cm<sup>2</sup> be tested and at least 1000 cm<sup>2</sup> of total surface be tested for any single laboratory identified pursuant to section 25-18.5-103, C.R.S.

**CONCLUSION**

The home, with the exception of the lower level den with utility closets, was within the standards established by the Colorado Department of Public Health and Environment. Regulations established by the El Paso County Health Department require that the owner either decontaminate or demolish a property before it be used or occupied.


Prior to decontamination or demolition, the owner must develop a work plan written by an Industrial Hygiene consultant that details the plans for decontamination of the property. At the conclusion of the report the techniques utilized for cleaning and a waste disposal manifest must be provided to the I.H. to be included with final clean results prior to a lifting of a ban of non-occupancy.

The lower level den, with fire place and utility closets was indicated to have an elevated level of methamphetamine residue not approved by the Colorado Department of Public Health and Environment. This area contains a heavily textured or "pop corn" ceiling. This surface is considered suspect for possibly containing asbestos, which is significant to the process of the remediation of this property because asbestos removal takes precedence over methamphetamine cleanup, (asbestos must not be disturbed in the process of cleaning "meth"). Therefore, if asbestos is present it must be removed prior to the "cleanup" of the den area impacted by methamphetamine.

The property will continue to be retained on the City of Colorado Springs official website in conjunction with the Colorado Springs Police Department which assist in maintaining public records for the identification of clandestine methamphetamine laboratories until it has been recognized as properly mitigated, at which time it can be cleared from the list. A final report should be provided to the City /Sheriffs' Task Force and one provided to the El Paso County Health Department for their review and removal from the web site.

Attached to this preliminary assessment are the analytical results for the sampling conducted.

Respectfully submitted,

  
Thomas F. Antonson, Director  
Industrial Hygienist

# **ANALYTICAL RESULTS**

## RESERVOIRS ENVIRONMENTAL, INC.

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

**TABLE ANALYSIS: METHAMPHETAMINE BY WIPE**

RES Job Number: **RES 162357-1**  
 Client: **Occupational Health Technologies, Inc.**  
 Client Project Number / P.O.: **18088 / PO# 963128**  
 Client Project Description: **7465 Cabin Ridge Dr. 80911**  
 Date Samples Received: **October 7, 2008**  
 Analysis Type: **Methamphetamine by GCMS**  
 Turnaround: **3 Day**  
 Date Samples Analyzed: **October 10, 2008**

Client ID Number	Lab ID Number	Sample Area (cm <sup>2</sup> )	METHAMPHETAMINE (µg)	Reporting Limit (µg/100cm <sup>2</sup> )	METHAMPHETAMINE CONCENTRATION (µg/100cm <sup>2</sup> )
JD-10-06-08-1A	EM 339397	500	0.26	0.05	0.05
JD-10-06-08-2A	EM 339398	500	BRL	0.05	BRL
JD-10-06-08-3A	EM 339399	500	BRL	0.05	BRL
JD-10-06-08-4A	EM 339400	500	BRL	0.05	BRL
JD-10-06-08-5A	EM 339401	500	BRL	0.05	BRL
JD-10-06-08-6A	EM 339402	500	BRL	0.05	BRL
JD-10-06-08-7A	EM 339403	500	1.07	0.05	0.21
JD-10-06-08-8A	EM 339404	500	BRL	0.05	BRL
JD-10-06-08-9A	EM 339405	500	BRL	0.05	BRL
JD-10-06-08-10A	EM 339406	500	BRL	0.05	BRL
JD-10-06-08-11A	EM 339407	500	BRL	0.05	BRL
JD-10-06-08-12A	EM 339408	500	BRL	0.05	BRL
JD-10-06-08-13A	EM 339409	500	0.07	0.05	BRL

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

7E  
7B  
7E  
7D

# **PHOTOGRAPHS**

# **LABORATORY CERTIFICATIONS**



Protecting Public Health

# The American Industrial Hygiene Association

in laboratories that

## Reservoirs Environmental Services, Inc.

5801 Logan Street, Suite 100, Denver, CO 80216  
Laboratory ID: 101533

has fulfilled the requirements of the AIHA Laboratory Quality Assurance Programs (LQAP), thereby conforming to the ISO/IEC 17025:2005 international standard, *General Requirements for the Competence of Testing and Calibration Laboratories*. The above named laboratory, along with all premises from which key activities are performed, as listed above, have been accredited by AIHA in the following:

### ACCREDITATION PROGRAMS

- INDUSTRIAL HYGIENE      Accreditation Expires: 02/01/2010
- ENVIRONMENTAL LEAD      Accreditation Expires: 02/01/2010
- ENVIRONMENTAL MICROBIOLOGY      Accreditation Expires:
- FOOD      Accreditation Expires:

Specific Fields of Testing (of Methods) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached Scope of Accreditation. Continued accreditation is contingent upon successful ongoing compliance with LQAP requirements. This certificate is not valid without the attached Scope of Accreditation. Please review the AIHA website for the most current status of the scope of accreditation.

*James J. Kowalski, CSP*  
Chairman, Industrial Hygiene Accreditation Board

*Donald J. Hart*  
President, AIHA

01/15/2010 10:10 AM

# **INSPECTOR CERTIFICATIONS**

# Occupational Health Technologies, Inc.



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Pueblo, Colorado 81005-1650  
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The Industrial Hygienists at Occupational Health Technologies, Inc. are qualified under Section 2.2 of Section 240-30-1402 CRS. All of our Industrial Hygienists have a Bachelors Degree in physical or biological science from an accredited university. Additional professional development studies and training have given our Industrial Hygienists the ability to:

- Anticipate and recognize the environmental factors and stresses associated with work and work operations and to understand their effects on individuals and their well being.
- Evaluate on the basis of training and experience and with the aid of measurement techniques the magnitude of such environmental factors and stresses in terms of their ability to impair human health and well being.
- Prescribe methods to prevent, eliminate, control or reduce such factors and stresses and their effects.

Our Industrial Hygienists have more than 15 years of experience in the field of Industrial Hygiene including the investigation of methamphetamine laboratory contamination. Since 2002, Occupational Health Technologies has investigated over forty suspected and confirmed methamphetamine labs.

# **OCCUPATIONAL HEALTH TECHNOLOGIES, INC.**

## **CURRICULUM VITAE - 2008**

**Occupational Health Technologies, Inc.** has been in business since February of 1983. In May of 1988, we opened a fully certified laboratory under the Environmental Protection Agency's bulk sample analysis program. In addition, we have demonstrated proficiency for airborne asbestos analysis as of February 1988, and continue to participate in the National Proficiency Analytical Testing (PAT) program. This program is funded by the National Institute for Occupational Safety and Health (NIOSH) and administered by the American Industrial Hygiene Association (AIHA). Occupational Health Technologies, Inc. (OHT) has been a corporate member of the AIHA since 1990. Our company has been listed with Occupational Safety and Health Act (OSHA) as an acceptable consultant for performing tests that help resolve health issues for a variety of hazardous, health-risk substances.

**Thomas Antonson, Director** - is an experienced industrial hygienist with 25 years of hands-on experience in asbestos risk assessments. He started with the Johns-Manville Corporation as an industrial hygienist in the company's asbestos product manufacturing facilities. Thomas Antonson is fully qualified to sit for the exam by the American Board of Certified Industrial Hygienists. From 1976 until 1983, he managed the Industrial Hygiene Department at CF&I Steel Corporation. Thomas Antonson has instructed asbestos training courses for the University of Illinois, for the Supervisors Course. During 1984 and 1985, he worked for Polytechnic Inc., in Chicago, Illinois, as an "expert witness" for compensation and deposition cases. These cases originated from the overexposure to various health hazards due to working conditions. Thomas Antonson has a BA degree in Biology with a minor in Chemistry from the University of Northern Colorado in Greeley, Colorado. He is certified in the Inspector and Management Planner and Designer/Planner courses for asbestos, approved by the Environmental Protection Agency. He is also certified by OSHA, since 1976, as an instructor for the "Guide to Voluntary Compliance" course.

Thomas Antonson has been a national member of the American Industrial Hygiene Association (AIHA) since 1975. In addition, he has been a national member of the American Society of Safety Engineers (ASSE) since 1983.

Thomas Antonson founded Occupational Health Technologies Inc. in 1983.

**Dennis Phipps, Project Manager** - Dennis Phipps received a Bachelor of Science degree in Environmental Science from Humboldt State University, Arcata, California. Course work included a wide range of environmental sciences such as chemistry, biology, botany, and natural resource topics. As General Manager, Dennis Phipps directs the overall company administration and operations. He is fully trained and has extensive hands-on monitoring experience in a wide range of environmental projects. Dennis Phipps' medical exam and respirator fit test are kept current, and he is qualified in all aspects of asbestos abatement monitoring. He has completed the NIOSH 582 equivalent course entitled "Sampling and Evaluating Airborne Asbestos Dust" and successfully participates in airborne fiber counts. Additionally, Dennis Phipps is an Environmental Protection Agency/Asbestos Hazard Emergency Response Act (AHERA) certified building inspector and Colorado State Certified Air Monitoring Specialist.

**Richard Ralston, Field Supervisor** - Richard Ralston has a Bachelor of Science Degree in

Electronic Education from the University of Southern Colorado. In addition to teaching at both the high school, college and university levels, he has worked in the medical field as an Emergency Medical Technician, Paramedic, Certified Physicians Provider in Sports Medicine and Training. Richard Ralston worked part time for Occupational Health Technologies since 1989 and became a full time employee in 1994. His main duties include monitoring asbestos abatement projects and performing asbestos building inspections. He maintains his asbestos building inspector and Air Monitoring Specialist certification with the State of Colorado. Richard Ralston also holds a Colorado Department of Health / EPA certificate as both a Lead Inspector and Lead Assessor. He is actively involved in teaching two-hour awareness courses in both asbestos and lead to non-certified construction and demolition personal. He is a member of the American IAQ Council and is responsible for mold investigations in residential and commercial properties. He also is responsible for mold training to realtors and associated industries.

# American Industrial Hygiene Association

Organized 1939 — Incorporated 1956

*Thomas F. Antonson*

has been elected a

**full member**

of this Association organized to promote the advancement of the Industrial Hygiene Profession, and foster the professional well-being and development of its members.



Original Date of Membership

MAY 13, 1975

Witness the signatures of its  
authorized officers

*William H. Kuhn*

PRESIDENT

*John H. Jones*

SECRETARY

JANUARY 25, 1989

DATE

Rocky Mountain Center  
for  
Occupational  
and  
Environmental Health  
University of Utah



certifies that

THOMAS ANTONSON

has completed a

Continuing Education Post Graduate

course entitled

ROCKY MOUNTAIN COMPREHENSIVE REVIEW OF INDUSTRIAL HYGIENE

MARCH 30-APRIL 3, 1987

SALT LAKE CITY, UTAH

4.0 CONTINUING EDUCATION

A handwritten signature in black ink, appearing to read "John R. ...", written over a horizontal line.

Course Director

A NIOSH Sponsored Educational Resource Center