

Asbestos Debris Clean-up Building 107 Crawlspace Project Completion Documentation

Building 107
4300 Goodfellow Blvd.
St. Louis, Missouri

Contract #: GX-06P-10-GX-A-0021/GS-P-06-12-GX-5076

Terracon Project No: 15127102

Prepared for:

General Services Administration
Heartland Region
Facilities Management Division
1500 East Bannister Rd (6PME)
Room 2101
Kansas City, Missouri 64131

Prepared by:

Terracon Consultants, Inc.
Lenexa, Kansas

Date:

November 6, 2012

Offices Nationwide
Employee-Owned

Established in 1965
terracon.com

Terracon



November 6, 2012

General Services Administration
Heartland Region
Facilities Management Division
1500 East Bannister Rd (6PME)
Room 2101
Kansas City, Missouri 64131

Attn: Mr. Dave Hartshorn
P: 816-823-1704
E: dave.hartshorn@gsa.gov

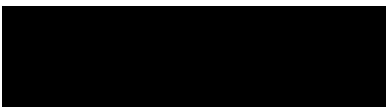
Re: Asbestos Debris Clean-up Crawlspace
Building 107
4300 Goodfellow Blvd.
St. Louis, Missouri
Terracon Project Number: 15117102

Dear Mr. Hartshorn:

Terracon Consultants, Inc. is pleased to provide project completion documentation regarding the removal of asbestos containing debris and soil performed at the above referenced site. The work was conducted in general accordance with contract GX-06P-10-GX-A-0021/GS-P-06-12-GX-5076.

We appreciate the opportunity to be of service to you on this project. If there are any questions concerning the report, or if we may be of further assistance, please contact Allen R. Bartels at 913.492.7777 or by e-mail at arbartels@terracon.com.

Sincerely,
TERRACON CONSULTANTS, INC.



Allen Bartels, MBA
Department Manager Asbestos Services

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SECTION 1

TERRACON PROJECT OVERSIGHT LOGS

Project: GSA-Goodfellow Building 107 - Crawlspace

Project No.: 15127102

Terracon Rep.: Kevin Arnold / Eric Schatz

Project Capsule

The project consisted of removal of asbestos containing debris and loose soil within the crawl space. Loose soil was to be removed to “hard pan” throughout the crawl space. GEI elected to use an industrial mobile vacuum system for the gross removal of debris and contaminated soil. Large pieces of concrete, dirt clods and material too big for the vacuum system were double-bagged in 6-mil asbestos disposal bags for disposal. Occu-Tec (a GSA contract vendor) performed all project air sampling and PCM analysis. Final clearance air samples were analyzed by TEM by Bureau of Veritas, a GSA contract laboratory.

The crawl space was prepped by wrapping all duct work in two layers of 6-mil polyethylene sheeting and sealing holes, pipe and conduit penetrations. Holes and pipe penetrations were sealed with duct tape, spray foam, or 6-mil polyethylene sheeting. GEI constructed a work room adjacent to the entry door. The floor, walls, and ceiling of the work room was constructed of two layers of 6-mil polyethylene sheeting. The work room also contained a three-stage decontamination unit, and two-stage waste load-out. Five negative air machines were placed inside the crawlspace. The negative air machines were exhausted to the exterior of the building. Negative pressure was continuously monitored with a RAE negative pressure recorder provided by Occu-Tec.

GEI mobilized a trailer-mounted Vac-It-All industrial vacuum unit which was equipped with HEPA filters. The vacuumed debris was collected in 20-mil reinforced “bladder” bags placed in a roll-off dumpster. Asbestos contaminated debris that was double-bagged was placed in a box dumpster that was lined with two layers of 6-mil poly sheeting.

The crawl space was divided into nine work areas, demarcated by the support pillars, (see attached drawing). Removal activities consisted of a GEI crew vacuuming the loose soil and debris from the crawlspace floor. Vacuuming ceased when the “hard pan” was encountered. During periodic visual inspections of the work area several pieces of asbestos debris was embedded in the “hard pan.” The embedded debris and adjoining soil was removed with a shovel or rake. The loosened soil was placed in a 6-mil asbestos disposal bag, or the area was re-vacuumed. The asbestos waste was double-bag prior to removal from the work area and placed in a dumpster.

Several areas of a white powdery material remain throughout the soil crawl space floor. The material appears to be lime (during soil sampling the white powdery material was reported not to be asbestos containing), which is commonly added to improve the engineering properties of clay soils, including: plasticity; drying; swelling; stability; and load-bearing.

September 17, 2012

- 4:00 pm: Kevin Arnold arrives on site. An electrical sub-panel was installed earlier in the day to accommodate the additional project electrical load.
- Vicky Dunn with GEI has been on-site since approximately 4 pm. Pat Garcia with Occu-Tec starts background samples.
- 5:00 pm: Two roll-off dumpsters and one box dumpster are delivered by Allied Waste. GEI starts unloading equipment. The box dumpsters is lined with poly and affixed with warning labels.
- 6:00 pm: Prep work commences which will included: double-wall work room containment outside the crawl space access door, 3-stage decontamination chamber, 2-stage load-out chamber, critical barriers sealed-off, duct work wrapped in two layer of polyethylene sheeting, and five negative air machines.
- 11:30 pm: Negative air machines are turned on. GEI exits containment. Secured building and left site.

September 18, 2012

- 4:30 pm: Kevin Arnold and Eric Schatz arrive on site. The containment is inspected and Pat Garcia with Occu-Tec starts air samples.
- 4:45 pm: Vicky Dunn (GEI) arrives. Mr. Townsend (GSA) had contacted Vicky regarding mud/dirt on steps to basement. He expressed his concern that it was contaminated. Walked stairs with Vicky and Pat. Inside stairs were dusty; however the dust was not from this project. The inside stairs were not used by GEI the previous night. It rained Monday night and the exterior sidewalk panel was open during the work shift. Pictures were taken but no concern was identified.
- 5:00 pm: Vac-It-All delivers a vacuum unit. GEI lines the roll-off dumpster with poly and installs a 20 mil bladder bag.
- 5:30 pm: GEI dons PPE and resumes preparation work.
- 7:00 pm: Kevin Arnold and Eric Schatz enter containment to check progress. GEI continues preparation work.
- 7:30 pm: Kevin Arnold leaves the site.
- 10:30 pm: Eric Schatz enters containment to check progress. GEI estimates preparation work will be completed on September 19, 2012.
- 11:45 pm: Secured building and left site.

September 19, 2012

- 4:30 pm: Eric Schatz arrives on site. Occu-Tec has started air samples at approximately 4:00 pm.
- 4:45 pm: Vicky Dunn with GEI arrives onsite.
- 5:00 pm: Informed of another complaint regarding mud on the interior steps. Steps were HEPA vacuumed on 9/18/12. GEI will clean steps before the end of the shift. GEI dons PPE, enters containment and start removal.
- 7:00 pm: Interior steps cleaned and photographed.

- 11:30 pm: GEI exits containment.
- 11:45 pm: Secured building and left site.

September 20, 2012

- 4:15 pm: Eric Schatz arrives on site. Eric Schatz enters containment to inspect the work area and determines that preparation work is not complete.
- 4:30 pm: Pat Garcia of Occu-Tec and Vicky Dunn of GEI onsite. Air samples started. Discuss remaining preparation work with Vicky Dunn.
- 5:00 pm: GEI dons PPE, enters containment to complete preparation work.
- 5:35 pm: Inspected containment and deemed preparation work complete. GEI starts removal.
- 7:30 pm: Vacuum hose clogs due to wet soil.
- 9:30 pm: Vacuum continues to clog and is shut down. GEI begins raking soil to expedite drying. Outside crew works on un-clogging vacuum.
- 10:50 pm: Vicky Dunn (GEI) offsite.
- 11:45 pm: Secured building and left site.

September 21, 2012

- 4:15 pm: Eric Schatz arrives on site. Pat Garcia (Occu-Tec) on site since 4:00 pm, air samples started.
- 4:45 pm: Vicky Dunn (GEI) arrives on site.
- 5:00 pm: GEI dons PPE and enters containment to continue work.
- 6:15 pm: Eric Schatz and Vicky Dunn enter containment. Progress is checked in right corner of Area 1. Area 1 has been raked to hardpan but has not been vacuumed yet.
- 7:00 pm: GEI connects water lines at two points in vacuum hose. The addition of water helps alleviate clogging of the vacuum hose.
- 12:15 am: Secured building and left site.

September 24, 2012

- 4:30 pm: Kevin Arnold and Eric Schatz arrive on site. Vicky Dunn with GEI and Pat Garcia with Occu-Tec are also on site. Vicky Dunn reports that the first dumpster was picked up on Saturday, September 22, 2012.
- 5:00 pm: GEI lines second dumpster with poly and a bladder bag. Occu-Tec starts air samples.
- 6:00 pm: GEI dons PPE and enters containment to continue removal.
- 11:00 pm: Conduct inspection of Area 1 with Vicky Dunn of GEI. Identified several areas with debris embedded in the "hard pan." GEI will remove debris and adjoining soil with rake or shovel, and re-vacuum as needed.
- 11:30 pm: GEI exits work area.
- 12:00 am: Secured building and left site.

September 25, 2012

- 4:30 pm: Kevin Arnold arrives on site with Vicky Dunn of GEI and Pat Garcia of Occu-Tec. Occu-Tec starts air samples.
- 5:00 pm: GEI dons PPE, and enters containment to start removal.
- 8:00 pm: Conduct visual inspection of Areas 1 & 2 with Vicky Dunn. Area 1 passed. Identified areas in Area 2 with debris embedded in the "hard pan". GEI will remove debris and adjoining soil with rake or shovel, and re-vacuum as needed.
- 11:30 pm: GEI exits work area.
- 12:00 am: Secured building and left site.

September 26, 2012

- 4:45 pm: Kevin Arnold arrives on site with Vicky Dunn of GEI and Pat Garcia of Occu-Tec. Occu-Tec starts air samples.
- 5:00 pm: GEI dons PPE, and enters containment starts removal.
- 11:15 pm: GEI exits work area. Dumpster is full and sealed up. Dumpster is scheduled to be picked up on September 27, 2012.
- 11:45 pm: Secured building and left site.

September 27, 2012

- 4:45 pm: Kevin Arnold arrives on site with Vicky Dunn of GEI and Pat Garcia of Occu-Tec. Occu-Tec starts air samples.
- 5:00 pm: GEI dons PPE, and enters containment and starts removal. Allied Waste drops-off an empty dumpster and collects the full dumpster. GEI lines the empty dumpster with poly and installs a bladder bag.
- 9:00 pm: Vacuum has broken down. Vac-It-All will send a technician tomorrow during the day to repair or replace the vacuum unit. Secure building and left the site. Since Pat Garcia of Occu-Tec has necessary credentials, she remains at the site to read PCM cassettes from September 26, 2012.

September 28, 2012

- 4:45 pm: Kevin Arnold arrives on site with Pat Garcia of Occu-Tec. Occu-Tec starts air samples.
- 5:00 pm: Vicky Dunn with GEI and crew arrive. GEI reports that Vac-It-All repaired the vacuum unit and it should work properly. GEI dons PPE, enters containment and starts removal.
- 11:00 pm: Conducted visual inspection of Areas 3 and 4. Identified areas with debris embedded in in the "hard pan." GEI will remove debris and adjoining soil with rake or shovel, and re-vacuum as needed.
- 11:30 pm: GEI exits containment. Building is secured and left site.

October 1, 2012

- 4:30 pm: Kevin Arnold on site with Vicky Dunn of GEI and Pat Garcia of Occu-Tec. Occu-Tec starts air samples.

- 5:00 pm: GEI dons PPE, enters containment and starts removal.
- 11:00 pm: Entered work area to check on progress. Areas 5 and 6 are almost complete.
- 11:30 pm: GEI exits work area. Building is secured and left site.

October 2, 2012

- 4:30 pm: Kevin Arnold on site with Vicky Dunn of GEI and Pat Garcia of Occu-Tec. Occu-Tec starts air samples.
- 5:00 pm: GEI dons PPE, enters containment and starts removal.
- 11:00 pm: Vacuum clogs several times during the shift hindering progress. GEI exits work area.
- 11:30 pm: Secured building and left site.

October 3, 2012

- 4:30 pm: Kevin Arnold arrives on site with Vicky Dunn of GEI and Pat Garcia of Occu-Tec. Occu-Tec starts air samples. GEI was on site around 4:00 pm to accept delivery of a second vacuum unit.
- 5:00 pm: GEI dons PPE, enters containment and starts removal. GEI begins removal of the large pieces of concrete, dirt clods and rubble along the west wall. GEI seals up full dumpster.
- 5:30: Allied Waste arrives with third dumpster and removes the full dumpster. GEI lines the empty dumpster with poly and installs a bladder bag. Both vacuum units are connected to the bladder bag. GEI commences vacuuming around 6:30.
- 10:00: Conducted visual inspection of Areas 5, 6, and 7. Identified areas with debris embedded in in the "hard pan." GEI will remove debris and adjoining soil with rake or shovel, and re-vacuum as needed. Vacuuming in Area 7 has not been completed.
- 11:30 pm: GEI exits work area. Building is secured and left site

October 4, 2012

- 4:30 pm: Kevin Arnold arrives on site with Vicky Dunn of GEI and Pat Garcia of Occu-Tec. Occu-Tec starts air samples.
- 5:00 pm: GEI dons PPE, enters containment and starts removal.
- 11:30 pm: GEI exits work area. Secured building and left site.

October 5, 2012

- 4:30 pm: Kevin Arnold on site with Vicky Dunn of GEI and Pat Garcia of Occu-Tec. Occu-Tec starts air samples.
- 5:00 pm: GEI dons PPE, enters containment and starts removal.
- 9: 30 pm: Conducted visual inspection of Areas 7, 8 and 9. Identified areas with debris embedded in in the "hard pan." GEI will remove debris and adjoining soil with rake or shovel, and re-vacuum as needed. Additional loose dirt will be removed under the duct work and along the west wall in Area 9.
- 11:30 pm: GEI exits work area. Secured building and left site.

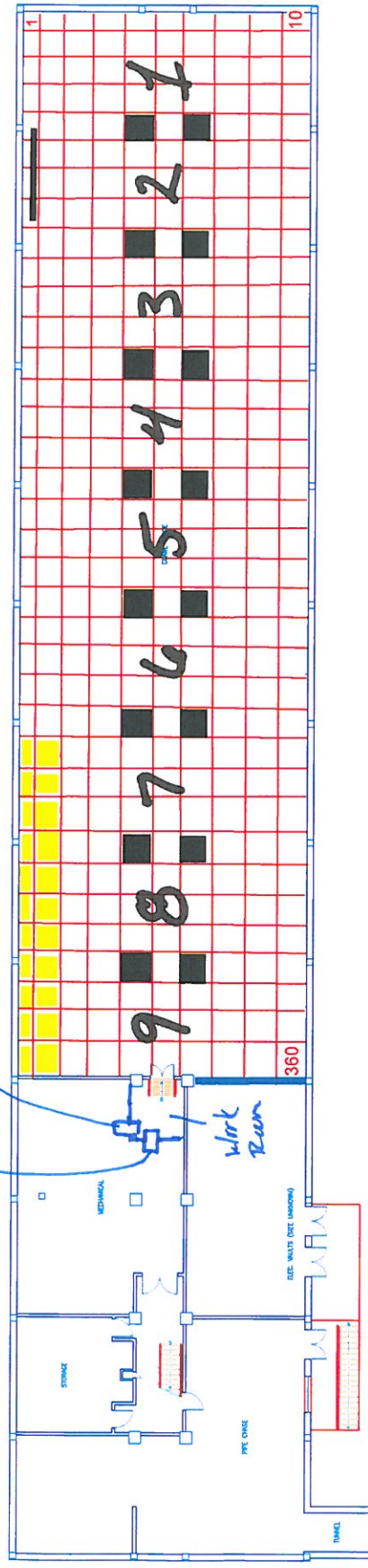
October 8, 2012

- 4:30 pm: Kevin Arnold arrives on site with Vicky Dunn of GEI and Pat Garcia of Occu-Tec. Occu-Tec starts air samples.
- 5:00 pm: GEI dons PPE, enters containment and starts final cleaning. Final cleaning will consist of wet wiping of piping, conduit and light fixtures, and HEPA vacuuming all beams, lattice floor joists, and concrete foundation ledges.
- 11:30 pm: Tomorrow is Columbus Day, a Federal Holiday, and the facility will be vacant. It was decided that we would work the day shift. GEI exits work area. Secured building and left site.

October 9, 2012

- 7:00 am: Kevin Arnold arrives on site with Vicky Dunn of GEI and Pat Garcia of Occu-Tec. Occu-Tec starts air samples.
- 7:00 am: GEI dons PPE, enters containment and continues final cleaning. The vacuum units are disconnected and the bladder bags are sealed.
- 10:45 am: Vac-It-All collects both vacuum units.
- 1:30 pm: Final cleaning is complete and GEI commences spraying encapsulant. GEI starts loading all non-essential equipment and supplies, basement area outside of the containment is cleaned and floor is HEPA vacuumed.
- 4:30 pm: Encapsulation is complete. GEI exits work area. Building is secured and left site.
- Pat Garcia of Occu-Tec holds the necessary security credentials to be on site without Terracon. Occu-Tec will return on October 10, 2012 around 10 am to conduct final air clearance samples.

*Hand-out (2-5 stage)
Decom (3-Stage)*



Area covered in concrete rubble and not sampled

Project No.	15110080	Project Name	SAMPLING DIAGRAM
Scale	NTS	Client	GSA HEARTLAND
Date	1/6/12	Address	4300 GOOD FELLOW ST. LOUIS, MISSOURI
File No.		Project	BUILDING 107 (CRAM SPACE)
Drawn By	ARB	Checked By	ARB
Issue By	DBM	Approved By	ARB

Terracon
Consulting Engineers and Scientists
1919 W. SPRINGFIELD
ST. LOUIS, MO 63103
PH: (314) 487-1777
FAX: (314) 487-1440

EXHIBIT
3

THIS DOCUMENT IS UNCLASSIFIED DATE 06/24/2010 BY 60322 UCBAW/STP/STP

SECTION 2

GEI CONTRACTOR CLOSEOUT PACKAGE



**SBA 8(a) CERTIFIED
W/DBE & S/DBE**

TERRACON (OWNER'S REPRESENTATIVE)

CLOSEOUT PACKAGE

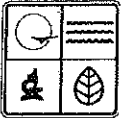
PROJECT:

**FEDERAL CENTER – CRAWLSPACE (BUILDING 107)
4300 GOODFELLOW
ST. LOUIS, MO**

TERRACON PROJECT NO. 15119080

ASB2122063

**7225 St. Charles Rock Road
Pagedale, MO 63133**



MISSOURI DEPARTMENT OF NATURAL RESOURCES
 AIR POLLUTION CONTROL PROGRAM
ASBESTOS POST-NOTIFICATION

GENERAL INSTRUCTIONS

Persons who perform asbestos abatement projects are required to submit post-notification to the department within sixty (60) days of the completion date indicated on the initial notification. This post-notification shall include signed and dated receipt(s) of asbestos disposal as well as final air clearance results (if applicable). These documents, along with the completed post-notification form shall be mailed to the following address*:

MISSOURI DEPARTMENT OF NATURAL RESOURCES
 AIR POLLUTION CONTROL PROGRAM (ASBESTOS)
 P.O. BOX 176
 JEFFERSON CITY, MISSOURI 65102

*For projects under the jurisdiction of a local agency, send post notification to the appropriate office.

PART A. ASBESTOS PROJECT INFORMATION

PROJECT NAME Federal Center - Building 107 Crawlspace		PROJECT ID ASSIGNED BY MDNR A5880-2012	
ADDRESS 4300 Goodfellow			
CITY St. Louis		STATE MO	ZIP CODE 63120
START DATE 9/17/2012		COMPLETION DATE 10/12/2012	

PART B. CONTRACTOR INFORMATION

NAME OF CONTRACTOR GEI	CONTRACTOR REGISTRATION NUMBER 13-06-0350
CONTRACTOR CONTACT PERSON Vicki Dunn-Wolfe	TELEPHONE NUMBER 636-928-2500

PART C. WASTE DISPOSAL INFORMATION

NAME OF LANDFILL Roxana Landfill Authority		
ADDRESS 4600 Cahokia Creek		
CITY Roxana	STATE IL	ZIP CODE 62048

NOTE: INCLUDE COPIES OF ALL WASTE SHIPMENT RECORDS AND DISPOSAL RECEIPTS

PART D. AIR SAMPLING INFORMATION

NAME OF AIR SAMPLING PROFESSIONAL Patricia Garcia	CERTIFICATION NUMBER 7031008MOAS11347
COMPANY NAME OCCU-TEC	TELEPHONE NUMBER 816-719-6149

NOTE: INCLUDE COPIES OF FINAL AIR CLEARANCE RESULTS (IF APPLICABLE)

PART E. AUTHENTICATION

I CERTIFY THAT THE INFORMATION LISTED ABOVE AND ENCLOSED IS TRUE AND ACCURATE.

SIGNATURE OF ASBESTOS ABATEMENT CONTRACTOR 	DATE 10/25/12
--	------------------

ASB2122DW3



ASBESTOS ABATEMENT CLOSE-OUT REPORT – Goodfellow – Building 107 St. Louis MO (MO0602AF)

Prepared for:



Mr. David Hartshorn, Certified
Industrial Hygienist

GSA Heartland Region Safety &
Environmental Management Office
1500 East Bannister Road, Room 2101
Kansas City, Missouri 64131-3088

Project Number: 92114

October 23, 2012



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- B: Daily Field Reports
- C: Asbestos Air Monitoring Reports (PCM)
- D: Asbestos Clearance Reports (TEM)
- E: Laboratory Reports (TEM)

1. INTRODUCTION

As authorized by GSA-Heartland, OCCU-TEC provided air monitoring and project oversight services for an asbestos abatement project in Goodfellow - Building 107 located at 4300 Goodfellow, in St. Louis, Missouri. This final report contains the OCCU-TEC representatives' air sampling data, laboratory results, and accreditation documentation. This report has been prepared to document completion of the project in accordance with the Task Order prepared for the project.

2. PROJECT DESCRIPTION

The abatement project at Goodfellow - Building 107 took place to prevent possible asbestos exposure to employees that work in and near the Basement Crawl Space. Global Environmental Inc. (GEI), of St. Louis, Missouri, a sub-contractor for Terracon of Lenexa, Kansas, performed the asbestos abatement activities in the building from September 17, 2012 through October 09, 2012. GEI abated the following asbestos-containing materials while OCCU-TEC was on-site:

Description	Location	Quantity Removed
Thermal Pipe Insulation Debris	Basement - Crawl Space	700 Cubic Yards (Compacted)

OCCU-TEC was on-site during the entire abatement process. Appendix A contains accreditation documentation for OCCU-TEC staff on-site during asbestos abatement activities.

3. OBSERVATIONS

Airborne fiber concentrations measured outside the work area by OCCU-TEC ranged from between < 0.002 fibers per cubic centimeter (f/cc) to 0.005 f/cc. All results were below the EPA-AHERA clearance level of 0.01 f/cc.

Following completion of abatement, OCCU-TEC conducted clearance air monitoring using aggressive sampling techniques and transmission electron microscopy (TEM). These procedures were performed to indicate successful completion of the abatement activities. Airborne fiber concentrations in the clearance samples were less than 70.0 asbestos structures/mm² by TEM. This indicated that the area were ready for re-occupancy. Visual inspections and clearance air monitoring indicated successful completion of the asbestos abatement actions. OCCU-TEC authorized the abatement contractor to remove the containment enclosures following analysis of clearance samples.

4. AIR MONITORING

ASBESTOS PCM AREA SAMPLING

PCM air samples were collected on 25 millimeter, 0.8-micron pore size mixed cellulose ester membrane filters. The filters were contained in three piece cassettes equipped with electrically conductive 50-mm cowls. Sample flow rates ranged from 1.25 to 4.39 liters per minute. This flow rate was selected to provide a low detection limit with minimal likelihood of overloading the filter.

PCM analyses were performed according to the analysis procedures specified in the National Institute of Occupational Safety and Health, Protocol 7400, Asbestos Fibers, using the "A" counting rules. This method does not permit discrimination between asbestos fibers and non-asbestos fibers. Asbestos air monitoring PCM reports are provided in Appendix C.

ASBESTOS TEM CLEARANCE SAMPLING

TEM clearance sampling took place following completion of the visual inspections and encapsulation of the work areas. All asbestos clearances were collected on 25 millimeter; 0.45-micron pore size mixed cellulose ester membrane filters. The filters were contained in three-piece cassettes equipped with electrically conductive 50-mm cowls. TEM analyses were performed by Bureau Veritas – North America (BV) in Kennesaw, Georgia for independent analysis according to the TEM counting procedures described under AHERA. BV analyzed the samples under the EPA NVLAP program and has a laboratory ID number of 101125-0. Clearance results were all below 70.0 asbestos structures/mm² detected, indicating successful completion of the asbestos abatement activity.

5. RECOMMENDATIONS

OCCU-TEC recommends that the building management undertake the following:

1. Update the building asbestos management program to include the completed abatement action.
2. Continued implementation of the building's asbestos management program.

Appendix A

Accreditation Documentation

Expiration Date:

N/A

Certificate Number: 7031008MOAS11347

Training Date:

3/10/2008

Missouri State Certificate for Asbestos Related Occupations

issued by Department of Natural Resources

P.O. Box 176

Jefferson City, MO 65102

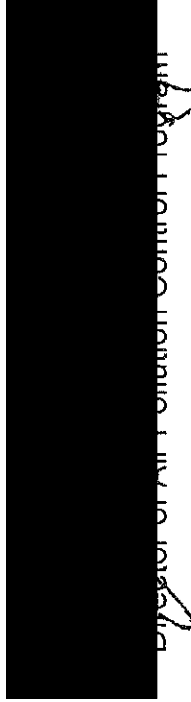
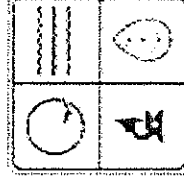
Phone (573) 751-4817

Patricia J. Garcia

has successfully completed the requirements for certification as a AIR SAMPLING PROFESSIONAL. This Missouri State Certification is subject to review and the director may deny, suspend or revoke the certification per RSMo chapter 643.230.

3/11/2008

Date



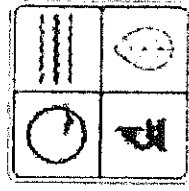
Director of Air Quality Control District

Expiration Date **10/2/2013** Certificate Number: 7011090612MOIR11347
Training Date: **9/6/2012**

Missouri State Certificate for Asbestos Related Occupations
issued by Department of Natural Resources
P.O. Box 176
Jefferson City, MO 65102
Phone (573) 751-4817

Patricia J. Garcia

has successfully completed the requirements for certification as a INSPECTOR. This Missouri State Certification is subject to review and the director may deny, suspend or revoke the certification per RSMo chapter 643.230.



10/3/2012

Date

Director of Air Pollution Control Program

THIS CERTIFIES THAT

Patricia Garcia

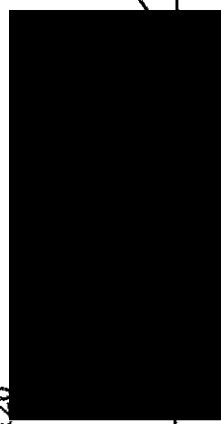
has successfully completed a NIOSH 582 Equivalency Course in

**SAMPLING & EVALUATING
AIRBORNE ASBESTOS DUST**

Presented by:

OCCU-TEC, Inc.

6501 E. Commerce, Suite 230
Kansas City, Missouri 64120
(816) 231-5580



Training Coordinator

May 3 – May 7, 2004

Course Date

Appendix B

Daily Field Reports



4151 N. Mulberry Drive, Suite 275
 KANSAS CITY, MO 64116
 PH: (816) 231-5580
 TOLL FREE: (800) 950-1953
 FAX: (816) 231-5641

DAILY FIELD REPORT
 (Please print information clearly)

CLIENT: GSA		PROJECT NAME: Goodfellow BLDG 107 3rd Party Air Monitoring Project Oversight	
PROJECT NUMBER.: 92114		DATE: 09-17-12	
CONTRACTOR: Global Environmental			
OCCU-TEC PERSONNEL: Patricia Garcia			
IN: 15:00		OUT: 23:45	
CONTRACTOR SUPERVISOR: Matt Lour/Vicki Dunn		NUMBER OF WORKERS: 5	
IN: 16:00		OUT: 23:45	
VISITORS ON SITE:			
OBSERVED WEATHER CONDITIONS: Temperature: 68 Degrees Conditions: Clear <input type="checkbox"/> , Cloudy <input checked="" type="checkbox"/> , Rain <input type="checkbox"/>			
TODAY'S ACTIVITIES: Prep. <input checked="" type="checkbox"/> , Removal <input type="checkbox"/> , Cleanup <input checked="" type="checkbox"/> , Encap. <input type="checkbox"/> , Enclosure <input type="checkbox"/> , Demo. <input type="checkbox"/> , Teardown/Demob. <input type="checkbox"/>			
Area of Activity: Basement GSA 107 Crawl Space		Quantity Removed: 0	
Material Description: Off-Loading Equipment and Setting Up Decon, Shower, Neg Air Machines		Quantity Remaining:	
Area of Activity:		Quantity Removed:	
Material Description:		Quantity Remaining:	
Area of Activity:		Quantity Removed:	
Material Description:		Quantity Remaining:	
WORK PROCEDURES: Gross Removal <input type="checkbox"/> , Glovebag <input type="checkbox"/> , Friable <input type="checkbox"/> , Non-Friable <input type="checkbox"/> , Exterior <input type="checkbox"/> , Other (Explain) _____			
ENGINEERING CONTROLS: Full Containment <input type="checkbox"/> , Critical Barriers <input type="checkbox"/> , Splash Guards <input type="checkbox"/> , Drop Cloth <input type="checkbox"/> , Barrier Tape <input checked="" type="checkbox"/>			
NEGATIVE AIR SYSTEM: Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/> , # of Units 5, Manometer on site Yes <input type="checkbox"/> , Manometer Reading (if < 0.02") _____			
DECONTAMINATION UNIT: Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/> , # of Stages 3 Shower: Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>			
PROJECT SITE CHECKLIST			RESPIRATORY PROTECTION
<input type="checkbox"/> Emergency Info. Posted	<input type="checkbox"/> Disposable Suits	<input type="checkbox"/> Half-Face Air Purifying Respirator	
<input type="checkbox"/> Fire Extinguishers On-Site	<input type="checkbox"/> Boots	<input type="checkbox"/> Full-Face Air Purifying Respirator	
<input type="checkbox"/> GFCI's Used	<input type="checkbox"/> Gloves	<input type="checkbox"/> Powered Air Purifying Respirator	
<input type="checkbox"/> OSHA Info. Posted	<input type="checkbox"/> Safety Glasses/ Goggles	Other: _____	
<input type="checkbox"/> Personal Sampling Conducted	<input type="checkbox"/> Hard Hat	SIGNIFICANT EVENTS No Removal; Off-loading equipment; Setting-Up equipment in Basement of BLDG 107. Building shower and decon.	
<input type="checkbox"/> Entrance Warning Signs Posted	<input type="checkbox"/> Safety Vest		
<input type="checkbox"/> Entry/Exit Logs Posted	<input type="checkbox"/> Hearing Protection		
<input type="checkbox"/> Storage Bins Labeled	Other: _____		
<input type="checkbox"/> Bags Labeled	WORK PRACTICES		
<input type="checkbox"/> Floor and Walls Covered	<input type="checkbox"/> Wet Methods Used	_____	
<input type="checkbox"/> Area Ventilation Off	<input type="checkbox"/> HEPA Vacuums Used	_____	
<input type="checkbox"/> All Edges Sealed	<input type="checkbox"/> Waste Double-Bagged or Barreled	_____	
<input type="checkbox"/> Penetrations Sealed	<input type="checkbox"/> Wastewater Filtered or Barreled	_____	
<input type="checkbox"/> Entry Curtains	<input type="checkbox"/> Negative Air Pressure Achieved	_____	
<input type="checkbox"/> Critical Barriers	<input type="checkbox"/> Equipment Decontaminated	_____	
<input type="checkbox"/> Containment Smoke Tested	Other: _____	_____	
<input type="checkbox"/> Work Area Secured	_____		
AIR MONITORING PERFORMED BY OCCU-TEC INC. : PCM <input type="checkbox"/> , TEM <input checked="" type="checkbox"/>			
Type			
No. of Background Samples	10	No. of Personal Samples	0
No. of Area Samples	0	No. of Clearance Samples	0

SIGNATURE: Patricia Garcia _____



4151 N. Mulberry Drive, Suite 275
 KANSAS CITY, MO 64116
 PH: (816) 231-5580
 TOLL FREE: (800) 950-1953
 FAX: (816) 231-5641

DAILY FIELD REPORT
 (Please print information clearly)

CLIENT: GSA		PROJECT NAME: Goodfellow BLDG 107 3rd Party Air Monitoring Project Oversight	
PROJECT NUMBER.: 92114		DATE: 09-18-12	
CONTRACTOR: Global Environmental			
OCCU-TEC PERSONNEL: Patricia Garcia			
IN: 16:00		OUT: 23:45	
CONTRACTOR SUPERVISOR: Matt Lour/Vicki Dunn		NUMBER OF WORKERS: 6	
IN: 17:00		OUT: 23:45	
VISITORS ON SITE:			
OBSERVED WEATHER CONDITIONS: Temperature: 70 Degrees Conditions: Clear <input checked="" type="checkbox"/> , Cloudy _____			
TODAY'S ACTIVITIES: Prep. <input checked="" type="checkbox"/> , Removal <input checked="" type="checkbox"/> , Cleanup <input checked="" type="checkbox"/> , Encap. _____, Enclosure _____, Demo. _____, Teardown/Demob. Wrapping Ducts			
Area of Activity: Basement GSA 107 Crawl Space		Quantity Removed: 5 30gal bags	
Material Description: Bags of Debris		Quantity Remaining: _____	
Area of Activity: _____		Quantity Removed: _____	
Material Description: _____		Quantity Remaining: _____	
Area of Activity: _____		Quantity Removed: _____	
Material Description: _____		Quantity Remaining: _____	
WORK PROCEDURES: Gross Removal <input checked="" type="checkbox"/> , Glovebag _____, Friable <input checked="" type="checkbox"/> , Non-Friable _____, Exterior _____, Other (Explain) Wrapping Duct Work _____			
ENGINEERING CONTROLS: Full Containment <input checked="" type="checkbox"/> , Critical Barriers <input checked="" type="checkbox"/> , Splash Guards _____, Drop Cloth _____, Barrier Tape <input checked="" type="checkbox"/>			
NEGATIVE AIR SYSTEM: Yes <input checked="" type="checkbox"/> , No _____, # of Units 5, Manometer on site Yes _____, Manometer Reading (if < 0.02") _____			
DECONTAMINATION UNIT: Yes <input checked="" type="checkbox"/> , No _____, # of Stages 3 Shower: Yes <input checked="" type="checkbox"/> , No _____			
PROJECT SITE CHECKLIST		PERSONAL PROTECTIVE EQUIPMENT	
<input checked="" type="checkbox"/> Emergency Info. Posted	<input checked="" type="checkbox"/> Disposable Suits	<input checked="" type="checkbox"/> Half-Face Air Purifying Respirator	
<input checked="" type="checkbox"/> Fire Extinguishers On-Site	<input checked="" type="checkbox"/> Boots	_____ Full-Face Air Purifying Respirator	
<input checked="" type="checkbox"/> GFCI's Used	<input checked="" type="checkbox"/> Gloves	_____ Powered Air Purifying Respirator	
<input checked="" type="checkbox"/> OSHA Info. Posted	_____ Safety Glasses/ Goggles	_____ Other: _____	
<input checked="" type="checkbox"/> Personal Sampling Conducted	_____ Hard Hat		
<input checked="" type="checkbox"/> Entrance Warning Signs Posted	_____ Safety Vest	SIGNIFICANT EVENTS	
<input checked="" type="checkbox"/> Entry/Exit Logs Posted	_____ Hearing Protection	19:31 - -0.026 negative air pressure	
<input checked="" type="checkbox"/> Storage Bins Labeled	_____ Other: _____	20:00 - -0.027 negative air pressure	
<input checked="" type="checkbox"/> Bags Labeled		20:40 - -0.027 negative air pressure	
_____ Floor and Walls Covered	WORK PRACTICES	21:00 - -0.028 negative air pressure	
_____ Area Ventilation Off	<input checked="" type="checkbox"/> Wet Methods Used	22:00 - -0.028 negative air pressure	
<input checked="" type="checkbox"/> All Edges Sealed	<input checked="" type="checkbox"/> HEPA Vacuums Used	23:00 - -0.032 negative air pressure	
<input checked="" type="checkbox"/> Penetrations Sealed	<input checked="" type="checkbox"/> Waste Double-Bagged or Barreled	_____	
<input checked="" type="checkbox"/> Entry Curtains	_____ Wastewater Filtered or Barreled	_____	
<input checked="" type="checkbox"/> Critical Barriers	<input checked="" type="checkbox"/> Negative Air Pressure Achieved	_____	
_____ Containment Smoke Tested	<input checked="" type="checkbox"/> Equipment Decontaminated	_____	
<input checked="" type="checkbox"/> Work Area Secured	_____ Other: _____	_____	
AIR MONITORING PERFORMED BY OCCU-TEC INC. :		PCM <input checked="" type="checkbox"/> , TEM _____	
Type			
No. of Background Samples	0	No. of Personal Samples	0
No. of Area Samples	10	No. of Clearance Samples	0

SIGNATURE: _____ Patricia Garcia _____



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 KANSAS CITY, MO 64116
 PH: (816) 231-5580
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DAILY FIELD REPORT
 (Please print information clearly)

CLIENT: GSA		PROJECT NAME: Goodfellow BLDG 107 3rd Party Air Monitoring Project Oversight	
PROJECT NUMBER.: 92114		DATE: 09-19-12	
CONTRACTOR: Global Environmental			
OCCU-TEC PERSONNEL: Patricia Garcia			
IN: 16:00		OUT: 23:45	
CONTRACTOR SUPERVISOR: Matt Lour/Vicki Dunn		NUMBER OF WORKERS: 5	
IN: 17:00		OUT: 23:45	
VISITORS ON SITE:			
OBSERVED WEATHER CONDITIONS: Temperature: 70 Degrees Conditions: Clear <input checked="" type="checkbox"/> , Cloudy _____			
TODAY'S ACTIVITIES: Prep. <input checked="" type="checkbox"/> , Removal <input checked="" type="checkbox"/> , Cleanup <input checked="" type="checkbox"/> , Encap. _____, Enclosure _____, Demo. _____, Teardown/Demob. Wrapping Ducts			
Area of Activity: Basement GSA 107 Crawl Space		Quantity Removed: 10 30gal bags	
Material Description: Bags of Debris		Quantity Remaining: _____	
Area of Activity: _____		Quantity Removed: _____	
Material Description: _____		Quantity Remaining: _____	
Area of Activity: _____		Quantity Removed: _____	
Material Description: _____		Quantity Remaining: _____	
WORK PROCEDURES: Gross Removal <input checked="" type="checkbox"/> , Glovebag _____, Friable <input checked="" type="checkbox"/> , Non-Friable _____, Exterior _____, Other (Explain) _____ Wrapping Duct Work _____			
ENGINEERING CONTROLS: Full Containment <input checked="" type="checkbox"/> , Critical Barriers <input checked="" type="checkbox"/> , Splash Guards _____, Drop Cloth _____, Barrier Tape <input checked="" type="checkbox"/>			
NEGATIVE AIR SYSTEM: Yes <input checked="" type="checkbox"/> , No _____, # of Units 5, Manometer on site Yes _____, Manometer Reading (if < 0.02") _____			
DECONTAMINATION UNIT: Yes <input checked="" type="checkbox"/> , No _____, # of Stages 3 Shower: Yes <input checked="" type="checkbox"/> , No _____			
PROJECT SITE CHECKLIST		PERSONAL PROTECTIVE EQUIPMENT	
<input checked="" type="checkbox"/> Emergency Info. Posted	<input checked="" type="checkbox"/> Disposable Suits	RESPIRATORY PROTECTION	
<input checked="" type="checkbox"/> Fire Extinguishers On-Site	<input checked="" type="checkbox"/> Boots	<input checked="" type="checkbox"/> Half-Face Air Purifying Respirator	
<input checked="" type="checkbox"/> GFCI's Used	<input checked="" type="checkbox"/> Gloves	_____ Full-Face Air Purifying Respirator	
<input checked="" type="checkbox"/> OSHA Info. Posted	_____ Safety Glasses/ Goggles	_____ Powered Air Purifying Respirator	
<input checked="" type="checkbox"/> Personal Sampling Conducted	_____ Hard Hat	_____ Other: _____	
<input checked="" type="checkbox"/> Entrance Warning Signs Posted	_____ Safety Vest	SIGNIFICANT EVENTS	
<input checked="" type="checkbox"/> Entry/Exit Logs Posted	_____ Hearing Protection	16:00 - -0.027 negative air pressure	
<input checked="" type="checkbox"/> Storage Bins Labeled	_____ Other: _____	17:51 - -0.027 negative air pressure	
<input checked="" type="checkbox"/> Bags Labeled		18:40 - -0.034 negative air pressure	
_____ Floor and Walls Covered	WORK PRACTICES	19:11 - -0.037 negative air pressure	
_____ Area Ventilation Off	<input checked="" type="checkbox"/> Wet Methods Used	20:01 - -0.037 negative air pressure	
<input checked="" type="checkbox"/> All Edges Sealed	<input checked="" type="checkbox"/> HEPA Vacuums Used	21:30 - -0.040 negative air pressure	
<input checked="" type="checkbox"/> Penetrations Sealed	<input checked="" type="checkbox"/> Waste Double-Bagged or Barreled	22:30 - -0.040 negative air pressure	
<input checked="" type="checkbox"/> Entry Curtains	_____ Wastewater Filtered or Barreled	_____	
<input checked="" type="checkbox"/> Critical Barriers	<input checked="" type="checkbox"/> Negative Air Pressure Achieved	_____	
_____ Containment Smoke Tested	<input checked="" type="checkbox"/> Equipment Decontaminated	_____	
<input checked="" type="checkbox"/> Work Area Secured	_____ Other: _____	_____	
AIR MONITORING PERFORMED BY OCCU-TEC INC. :		PCM <input checked="" type="checkbox"/> , TEM _____	
Type			
No. of Background Samples	0	No. of Personal Samples	0
No. of Area Samples	10	No. of Clearance Samples	0

SIGNATURE: _____ Patricia Garcia _____



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 KANSAS CITY, MO 64116
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DAILY FIELD REPORT
 (Please print information clearly)

CLIENT: GSA		PROJECT NAME: Goodfellow BLDG 107 3rd Party Air Monitoring Project Oversight	
PROJECT NUMBER: 92114		DATE: 09-20-12	
CONTRACTOR: Global Environmental			
OCCU-TEC PERSONNEL: Patricia Garcia			
IN: 16:00		OUT: 23:45	
CONTRACTOR SUPERVISOR: Matt Lour/Vicki Dunn		NUMBER OF WORKERS: 6	
IN: 17:00		OUT: 23:45	
VISITORS ON SITE:			
OBSERVED WEATHER CONDITIONS: Temperature: 70 Degrees Conditions: Clear <input checked="" type="checkbox"/> , Cloudy _____			
TODAY'S ACTIVITIES: Prep <input checked="" type="checkbox"/> , Removal <input checked="" type="checkbox"/> , Cleanup <input checked="" type="checkbox"/> , Encap. _____, Enclosure _____, Demo. _____, Teardown/Demoh.			
Area of Activity: Basement GSA 107 Crawl Space		Quantity Removed: 45 cubic yards	
Material Description: Debris		Quantity Remaining:	
Area of Activity:		Quantity Removed:	
Material Description:		Quantity Remaining:	
Area of Activity:		Quantity Removed:	
Material Description:		Quantity Remaining:	
WORK PROCEDURES: Gross Removal <input checked="" type="checkbox"/> , Glovebag _____, Friable <input checked="" type="checkbox"/> , Non-Friable _____, Exterior _____, Other (Explain) _____			
ENGINEERING CONTROLS: Full Containment <input checked="" type="checkbox"/> , Critical Barriers <input checked="" type="checkbox"/> , Splash Guards _____, Drop Cloth _____, Barrier Tape <input checked="" type="checkbox"/>			
NEGATIVE AIR SYSTEM: Yes <input checked="" type="checkbox"/> , No _____, # of Units 5, Manometer on site Yes _____, Manometer Reading (if < 0.02") _____			
DECONTAMINATION UNIT: Yes <input checked="" type="checkbox"/> , No _____, # of Stages 3 Shower: Yes <input checked="" type="checkbox"/> , No _____			
PROJECT SITE CHECKLIST		PERSONAL PROTECTIVE EQUIPMENT	
<input checked="" type="checkbox"/> Emergency Info. Posted	<input checked="" type="checkbox"/> Disposable Suits	<input checked="" type="checkbox"/> Half-Face Air Purifying Respirator	
<input checked="" type="checkbox"/> Fire Extinguishers On-Site	<input checked="" type="checkbox"/> Boots	_____ Full-Face Air Purifying Respirator	
<input checked="" type="checkbox"/> GFCI's Used	<input checked="" type="checkbox"/> Gloves	_____ Powered Air Purifying Respirator	
<input checked="" type="checkbox"/> OSHA Info. Posted	_____ Safety Glasses/ Goggles	_____ Other: _____	
<input checked="" type="checkbox"/> Personal Sampling Conducted	_____ Hard Hat	SIGNIFICANT EVENTS	
<input checked="" type="checkbox"/> Entrance Warning Signs Posted	_____ Safety Vest		
<input checked="" type="checkbox"/> Entry/Exit Logs Posted	_____ Hearing Protection		
<input checked="" type="checkbox"/> Storage Bins Labeled	_____ Other: _____		
<input checked="" type="checkbox"/> Bags Labeled	WORK PRACTICES		16:00 - -0.037 negative air pressure
_____ Floor and Walls Covered	<input checked="" type="checkbox"/> Wet Methods Used		18:03 - -0.038 negative air pressure
_____ Area Ventilation Off	<input checked="" type="checkbox"/> HEPA Vacuums Used		19:03 - -0.050 negative air pressure
<input checked="" type="checkbox"/> All Edges Sealed	<input checked="" type="checkbox"/> Waste Double-Bagged or Barreled		20:13 - -0.034 negative air pressure
<input checked="" type="checkbox"/> Penetrations Sealed	<input checked="" type="checkbox"/> Wastewater Filtered or Barreled		21:52 - -0.037 negative air pressure
<input checked="" type="checkbox"/> Entry Curtains	<input checked="" type="checkbox"/> Negative Air Pressure Achieved		23:13 - -0.038 negative air pressure
<input checked="" type="checkbox"/> Critical Barriers	<input checked="" type="checkbox"/> Equipment Decontaminated		
_____ Containment Smoke Tested	_____ Other: _____		
<input checked="" type="checkbox"/> Work Area Secured			
AIR MONITORING PERFORMED BY OCCU-TEC INC. : PCM <input checked="" type="checkbox"/> , TEM _____			
Type			
No. of Background Samples	0	No. of Personal Samples	0
No. of Area Samples	10	No. of Clearance Samples	0

SIGNATURE: Patricia Garcia



4151 N. Mulberry Drive, Suite 275
 KANSAS CITY, MO 64116
 PH: (816) 231-5580
 TOLL FREE: (800) 950-1953
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DAILY FIELD REPORT
 (Please print information clearly)

CLIENT: GSA		PROJECT NAME: Goodfellow BLDG 107 3rd Party Air Monitoring Project Oversight	
PROJECT NUMBER.: 92114		DATE: 09-21-12	
CONTRACTOR: Global Environmental			
OCCU-TEC PERSONNEL: Patricia Garcia			
IN: 16:00		OUT: 01:00	
CONTRACTOR SUPERVISOR: Matt Lour/Vicki Dunn		NUMBER OF WORKERS: 4	
IN: 17:00		OUT: 01:00	
VISITORS ON SITE:			
OBSERVED WEATHER CONDITIONS: Temperature: 70 Degrees Conditions: Clear <input checked="" type="checkbox"/> , Cloudy _____			
TODAY'S ACTIVITIES: Prep. <input checked="" type="checkbox"/> , Removal <input checked="" type="checkbox"/> , Cleanup <input checked="" type="checkbox"/> , Encap. _____, Enclosure _____, Demo. _____, Teardown/Demob. _____			
Area of Activity: Basement GSA 107 Crawl Space		Quantity Removed: 70 cubic yards	
Material Description: Debris		Quantity Remaining: _____	
Area of Activity: _____		Quantity Removed: _____	
Material Description: _____		Quantity Remaining: _____	
Area of Activity: _____		Quantity Removed: _____	
Material Description: _____		Quantity Remaining: _____	
WORK PROCEDURES: Gross Removal <input checked="" type="checkbox"/> , Glovebag _____, Friable <input checked="" type="checkbox"/> , Non-Friable _____, Exterior _____, Other (Explain) _____			
ENGINEERING CONTROLS: Full Containment <input checked="" type="checkbox"/> , Critical Barriers <input checked="" type="checkbox"/> , Splash Guards _____, Drop Cloth _____, Barrier Tape <input checked="" type="checkbox"/>			
NEGATIVE AIR SYSTEM: Yes <input checked="" type="checkbox"/> , No _____, # of Units 5, Manometer on site Yes _____, Manometer Reading (if < 0.02") _____			
DECONTAMINATION UNIT: Yes <input checked="" type="checkbox"/> , No _____, # of Stages 3 Shower: Yes <input checked="" type="checkbox"/> , No _____			
PROJECT SITE CHECKLIST		PERSONAL PROTECTIVE EQUIPMENT	
<input checked="" type="checkbox"/> Emergency Info. Posted	<input checked="" type="checkbox"/> Disposable Suits	<input checked="" type="checkbox"/> Half-Face Air Purifying Respirator	
<input checked="" type="checkbox"/> Fire Extinguishers On-Site	<input checked="" type="checkbox"/> Boots	<input type="checkbox"/> Full-Face Air Purifying Respirator	
<input checked="" type="checkbox"/> GFCI's Used	<input checked="" type="checkbox"/> Gloves	<input type="checkbox"/> Powered Air Purifying Respirator	
<input checked="" type="checkbox"/> OSHA Info. Posted	<input type="checkbox"/> Safety Glasses/ Goggles	Other: _____	
<input checked="" type="checkbox"/> Personal Sampling Conducted	<input type="checkbox"/> Hard Hat	SIGNIFICANT EVENTS	
<input checked="" type="checkbox"/> Entrance Warning Signs Posted	<input type="checkbox"/> Safety Vest		
<input type="checkbox"/> Entry/Exit Logs Posted	<input type="checkbox"/> Hearing Protection		
<input checked="" type="checkbox"/> Storage Bins Labeled	Other: _____		
<input checked="" type="checkbox"/> Bags Labeled	WORK PRACTICES		16:00 - -0.037 negative air pressure
<input type="checkbox"/> Floor and Walls Covered	<input checked="" type="checkbox"/> Wet Methods Used	18:03 - -0.038 negative air pressure	19:21 - -0.038 negative air pressure
<input checked="" type="checkbox"/> Area Ventilation Off	<input checked="" type="checkbox"/> HEPA Vacuums Used	20:53 - -0.035 negative air pressure	22:00 - -0.040 negative air pressure
<input checked="" type="checkbox"/> All Edges Sealed	<input checked="" type="checkbox"/> Waste Double-Bagged or Barreled	23:13 - -0.038 negative air pressure	_____
<input checked="" type="checkbox"/> Penetrations Sealed	<input checked="" type="checkbox"/> Wastewater Filtered or Barreled	_____	_____
<input checked="" type="checkbox"/> Entry Curtains	<input checked="" type="checkbox"/> Negative Air Pressure Achieved	_____	_____
<input checked="" type="checkbox"/> Critical Barriers	<input checked="" type="checkbox"/> Equipment Decontaminated	_____	_____
<input type="checkbox"/> Containment Smoke Tested	Other: _____	_____	_____
<input checked="" type="checkbox"/> Work Area Secured	_____	_____	_____
AIR MONITORING PERFORMED BY OCCU-TEC INC. :		PCM <input checked="" type="checkbox"/> , TEM _____	
Type			
No. of Background Samples	0	No. of Personal Samples	0
No. of Area Samples	10	No. of Clearance Samples	0

SIGNATURE: Patricia Garcia



4151 N. Mulberry Drive, Suite 275
 KANSAS CITY, MO 64116
 PH: (816) 231-5580
 TOLL FREE: (800) 950-1953
 FAX: (816) 231-5641

DAILY FIELD REPORT
 (Please print information clearly)

CLIENT: GSA		PROJECT NAME: Goodfellow BLDG 107 3rd Party Air Monitoring Project Oversight	
PROJECT NUMBER.: 92114		DATE: 09-24-12	
CONTRACTOR: Global Environmental			
OCCU-TEC PERSONNEL: Patricia Garcia			
IN: 16:00		OUT: 00:00	
CONTRACTOR SUPERVISOR: Matt Lour/Vicki Dunn		NUMBER OF WORKERS: 5	
IN: 17:00		OUT: 00:00	
VISITORS ON SITE:			
OBSERVED WEATHER CONDITIONS: Temperature: 70 Degrees Conditions: Clear <input checked="" type="checkbox"/> , Cloudy _____			
TODAY'S ACTIVITIES: Prep. <input checked="" type="checkbox"/> , Removal <input checked="" type="checkbox"/> , Cleanup <input checked="" type="checkbox"/> , Encap. _____, Enclosure _____, Demo. _____, Teardown/Demob. _____			
Area of Activity: Basement GSA 107 Crawl Space		Quantity Removed: 42 cubic yards	
Material Description: Debris		Quantity Remaining: _____	
Area of Activity: _____		Quantity Removed: _____	
Material Description: _____		Quantity Remaining: _____	
Area of Activity: _____		Quantity Removed: _____	
Material Description: _____		Quantity Remaining: _____	
WORK PROCEDURES: Gross Removal <input checked="" type="checkbox"/> , Glovebag _____, Friable <input checked="" type="checkbox"/> , Non-Friable _____, Exterior _____, Other (Explain) _____			
ENGINEERING CONTROLS: Full Containment <input checked="" type="checkbox"/> , Critical Barriers <input checked="" type="checkbox"/> , Splash Guards _____, Drop Cloth _____, Barrier Tape <input checked="" type="checkbox"/>			
NEGATIVE AIR SYSTEM: Yes <input checked="" type="checkbox"/> , No _____, # of Units 5, Manometer on site Yes _____, Manometer Reading (if < 0.02") _____			
DECONTAMINATION UNIT: Yes <input checked="" type="checkbox"/> , No _____, # of Stages 3 Shower: Yes <input checked="" type="checkbox"/> , No _____			
PROJECT SITE CHECKLIST		PERSONAL PROTECTIVE EQUIPMENT	
<input checked="" type="checkbox"/> Emergency Info. Posted	<input checked="" type="checkbox"/> Disposable Suits	<input checked="" type="checkbox"/> Half-Face Air Purifying Respirator	
<input checked="" type="checkbox"/> Fire Extinguishers On-Site	<input checked="" type="checkbox"/> Boots	_____ Full-Face Air Purifying Respirator	
<input checked="" type="checkbox"/> GFCT's Used	<input checked="" type="checkbox"/> Gloves	_____ Powered Air Purifying Respirator	
<input checked="" type="checkbox"/> OSHA Info. Posted	_____ Safety Glasses/ Goggles	Other: _____	
_____ Personal Sampling Conducted	_____ Hard Hat		
<input checked="" type="checkbox"/> Entrance Warning Signs Posted	_____ Safety Vest	SIGNIFICANT EVENTS	
<input checked="" type="checkbox"/> Entry/Exit Logs Posted	_____ Hearing Protection	16:00 - -0.033 negative air pressure	
<input checked="" type="checkbox"/> Storage Bins Labeled	Other: _____	18:17 - -0.032 negative air pressure	
<input checked="" type="checkbox"/> Bags Labeled		19:24 - -0.031 negative air pressure	
_____ Floor and Walls Covered	WORK PRACTICES	20:04 - -0.032 negative air pressure	
_____ Area Ventilation Off	<input checked="" type="checkbox"/> Wet Methods Used	21:04 - -0.032 negative air pressure	
<input checked="" type="checkbox"/> All Edges Sealed	<input checked="" type="checkbox"/> HEPA Vacuums Used	22:12 - -0.031 negative air pressure	
<input checked="" type="checkbox"/> Penetrations Sealed	<input checked="" type="checkbox"/> Waste Double-Bagged or Barreled	_____	
<input checked="" type="checkbox"/> Entry Curtains	<input checked="" type="checkbox"/> Wastewater Filtered or Barreled	_____	
<input checked="" type="checkbox"/> Critical Barriers	<input checked="" type="checkbox"/> Negative Air Pressure Achieved	_____	
_____ Containment Smoke Tested	<input checked="" type="checkbox"/> Equipment Decontaminated	_____	
<input checked="" type="checkbox"/> Work Area Secured	Other: _____	_____	
AIR MONITORING PERFORMED BY OCCU-TEC INC. :		PCM <input checked="" type="checkbox"/> , TEM _____	
Type			
No. of Background Samples	0	No. of Personal Samples	0
No. of Area Samples	10	No. of Clearance Samples	0

SIGNATURE: Patricia Garcia



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DAILY FIELD REPORT
 (Please print information clearly)

CLIENT: GSA		PROJECT NAME: Goodfellow BLDG 107 3rd Party Air Monitoring Project Oversight	
PROJECT NUMBER: 92114		DATE: 09-25-12	
CONTRACTOR: Global Environmental			
OCCU-TEC PERSONNEL: Patricia Garcia			
IN: 16:00		OUT: 00:00	
CONTRACTOR SUPERVISOR: Matt Lour/Vicki Dunn		NUMBER OF WORKERS: 6	
IN: 17:00		OUT: 00:00	
VISITORS ON SITE:			
OBSERVED WEATHER CONDITIONS: Temperature: 82 Degrees Conditions: Clear _____, Cloudy <u>X</u> _____, Raining _____			
TODAY'S ACTIVITIES: Prep. <u>X</u> _____, Removal <u>X</u> _____, Cleanup <u>X</u> _____, Encap. _____, Enclosure _____, Demo. _____, Teardown/Demob. _____			
Area of Activity: Basement GSA 107 Crawl Space		Quantity Removed: 47 cubic yards	
Material Description: Debris		Quantity Remaining: _____	
Area of Activity: _____		Quantity Removed: _____	
Material Description: _____		Quantity Remaining: _____	
Area of Activity: _____		Quantity Removed: _____	
Material Description: _____		Quantity Remaining: _____	
WORK PROCEDURES: Gross Removal <u>X</u> _____, Glovebag _____, Friable <u>X</u> _____, Non-Friable _____, Exterior _____, Other (Explain) _____			
ENGINEERING CONTROLS: Full Containment <u>X</u> _____, Critical Barriers <u>X</u> _____, Splash Guards _____, Drop Cloth _____, Barrier Tape <u>X</u> _____			
NEGATIVE AIR SYSTEM: Yes <u>X</u> _____, No _____, # of Units 5 _____, Manometer on site <u>Yes</u> _____, Manometer Reading (if < 0.02") _____			
DECONTAMINATION UNIT: Yes <u>X</u> _____, No _____, # of Stages 3 _____ Shower: Yes <u>X</u> _____, No _____			
PROJECT SITE CHECKLIST		PERSONAL PROTECTIVE EQUIPMENT	
<u>X</u> Emergency Info. Posted	<u>X</u> Disposable Suits	<u>X</u> Half-Face Air Purifying Respirator	
<u>X</u> Fire Extinguishers On-Site	<u>X</u> Boots	_____ Full-Face Air Purifying Respirator	
<u>X</u> GFCI's Used	<u>X</u> Gloves	_____ Powered Air Purifying Respirator	
<u>X</u> OSHA Info. Posted	_____ Safety Glasses/ Goggles	_____ Other: _____	
_____ Personal Sampling Conducted	_____ Hard Hat		
<u>X</u> Entrance Warning Signs Posted	_____ Safety Vest	SIGNIFICANT EVENTS	
<u>X</u> Entry/Exit Logs Posted	_____ Hearing Protection	16:00 - -0.029 negative air pressure	
<u>X</u> Storage Bins Labeled	_____ Other: _____	18:06 - -0.032 negative air pressure	
<u>X</u> Bags Labeled		19:14 - -0.031 negative air pressure	
_____ Floor and Walls Covered	WORK PRACTICES	20:15 - -0.032 negative air pressure	
_____ Area Ventilation Off	<u>X</u> Wet Methods Used	21:00 - -0.031 negative air pressure	
<u>X</u> All Edges Sealed	<u>X</u> HEPA Vacuums Used	22:37 - -0.011 negative air pressure	
<u>X</u> Penetrations Sealed	<u>X</u> Waste Double-Bagged or Barreled	_____	
<u>X</u> Entry Curtains	<u>X</u> Wastewater Filtered or Barreled	_____	
<u>X</u> Critical Barriers	<u>X</u> Negative Air Pressure Achieved	_____	
_____ Containment Smoke Tested	<u>X</u> Equipment Decontaminated	_____	
<u>X</u> Work Area Secured	_____ Other: _____	_____	
AIR MONITORING PERFORMED BY OCCU-TEC INC. :		PCM <u>X</u> _____, TEM _____	
Type			
No. of Background Samples	0	No. of Personal Samples	0
No. of Area Samples	10	No. of Clearance Samples	0

SIGNATURE: Patricia Garcia _____



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 FAX: (816) 231-5641

DAILY FIELD REPORT
 (Please print information clearly)

CLIENT: GSA		PROJECT NAME: Goodfellow BLDG 107 3rd Party Air Monitoring Project Oversight	
PROJECT NUMBER.: 92114		DATE: 09-26-12	
CONTRACTOR: Global Environmental			
OCCU-TEC PERSONNEL: Patricia Garcia			
IN: 16:00		OUT: 00:00	
CONTRACTOR SUPERVISOR: Matt Lour/Vicki Dunn		NUMBER OF WORKERS: 6	
IN: 17:00		OUT: 00:00	
VISITORS ON SITE:			
OBSERVED WEATHER CONDITIONS: Temperature: 82 Degrees Conditions: Clear _____, Cloudy <u>X</u> _____, Raining _____			
TODAY'S ACTIVITIES: Prep. <u>X</u> _____, Removal <u>X</u> _____, Cleanup <u>X</u> _____, Encap. _____, Enclosure _____, Demo. _____, Teardown/Demob. _____			
Area of Activity: Basement GSA 107 Crawl Space		Quantity Removed: 47 cubic yards	
Material Description: Debris		Quantity Remaining: _____	
Area of Activity: _____		Quantity Removed: _____	
Material Description: _____		Quantity Remaining: _____	
Area of Activity: _____		Quantity Removed: _____	
Material Description: _____		Quantity Remaining: _____	
WORK PROCEDURES: Gross Removal <u>X</u> _____, Glovebag _____, Friable <u>X</u> _____, Non-Friable _____, Exterior _____, Other (Explain) _____			
ENGINEERING CONTROLS: Full Containment <u>X</u> _____, Critical Barriers <u>X</u> _____, Splash Guards _____, Drop Cloth _____, Barrier Tape <u>X</u> ____			
NEGATIVE AIR SYSTEM: Yes <u>X</u> _____, No _____, # of Units 5, Manometer on site Yes _____, Manometer Reading (if < 0.02") _____			
DECONTAMINATION UNIT: Yes <u>X</u> _____, No _____, # of Stages 3 Shower: Yes <u>X</u> _____, No _____			
PROJECT SITE CHECKLIST		PERSONAL PROTECTIVE EQUIPMENT	
<u>X</u> Emergency Info. Posted	<u>X</u> Disposable Suits	RESPIRATORY PROTECTION	
<u>X</u> Fire Extinguishers On-Site	<u>X</u> Boots	<u>X</u> Half-Face Air Purifying Respirator	
<u>X</u> GFCI's Used	<u>X</u> Gloves	_____ Full-Face Air Purifying Respirator	
<u>X</u> OSHA Info. Posted	_____ Safety Glasses/ Goggles	_____ Powered Air Purifying Respirator	
_____ Personal Sampling Conducted	_____ Hard Hat	_____ Other: _____	
<u>X</u> Entrance Warning Signs Posted	_____ Safety Vest	SIGNIFICANT EVENTS	
<u>X</u> Entry/Exit Logs Posted	_____ Hearing Protection	16:00 - -0.021 negative air pressure	
<u>X</u> Storage Bins Labeled	_____ Other: _____	17:56 - -0.022 negative air pressure	
<u>X</u> Bags Labeled		19:34 - -0.011 negative air pressure	
_____ Floor and Walls Covered	WORK PRACTICES	20:13 - -0.022 negative air pressure	
_____ Area Ventilation Off	<u>X</u> Wet Methods Used	21:00 - -0.011 negative air pressure	
<u>X</u> All Edges Sealed	<u>X</u> HEPA Vacuums Used	22:40 - -0.021 negative air pressure	
<u>X</u> Penetrations Sealed	<u>X</u> Waste Double-Bagged or Barreled	_____	
<u>X</u> Entry Curtains	<u>X</u> Wastewater Filtered or Barreled	_____	
<u>X</u> Critical Barriers	<u>X</u> Negative Air Pressure Achieved	_____	
_____ Containment Smoke Tested	<u>X</u> Equipment Decontaminated	_____	
<u>X</u> Work Area Secured	Other: _____	_____	
AIR MONITORING PERFORMED BY OCCU-TEC INC. :		PCM <u>X</u> _____, TEM _____	
Type			
No. of Background Samples	0	No. of Personal Samples	0
No. of Area Samples	10	No. of Clearance Samples	0

SIGNATURE: Patricia Garcia



4151 N. Mulberry Drive, Suite 275
 KANSAS CITY, MO 64116
 PH: (816) 231-5580
 TOLL FREE: (800) 950-1953
 FAX: (816) 231-5641

DAILY FIELD REPORT
 (Please print information clearly)

CLIENT: GSA		PROJECT NAME: Goodfellow BLDG 107 3rd Party Air Monitoring Project Oversite	
PROJECT NUMBER: 92114		DATE: 09-27-12	
CONTRACTOR: Global Environmental			
OCCU-TEC PERSONNEL: Patricia Garcia			
IN: 16:00		OUT: 22:45	
CONTRACTOR SUPERVISOR: Matt Lour/Vicki Dunn		NUMBER OF WORKERS: 4	
IN: 17:00		OUT: 21:00	
VISITORS ON SITE:			
OBSERVED WEATHER CONDITIONS: Temperature: <u>75</u> Degrees Conditions: Clear <input type="checkbox"/> , Cloudy <input checked="" type="checkbox"/>			
TODAY'S ACTIVITIES: Prep. <input checked="" type="checkbox"/> , Removal <input checked="" type="checkbox"/> , Cleanup <input checked="" type="checkbox"/> , Encap. <input type="checkbox"/> , Enclosure <input type="checkbox"/> , Demo. <input type="checkbox"/> , Teardown/Demob. <input type="checkbox"/>			
Area of Activity: <u>Basement GSA 107 Crawl Space</u>		Quantity Removed: <u>0</u> cubic yards	
Material Description: <u>Debris</u>		Quantity Remaining: _____	
Area of Activity: _____		Quantity Removed: _____	
Material Description: _____		Quantity Remaining: _____	
Area of Activity: _____		Quantity Removed: _____	
Material Description: _____		Quantity Remaining: _____	
WORK PROCEDURES: Gross Removal <input checked="" type="checkbox"/> , Glovebag <input type="checkbox"/> , Friable <input checked="" type="checkbox"/> , Non-Friable <input type="checkbox"/> , Exterior <input type="checkbox"/> , Other (Explain) _____			
ENGINEERING CONTROLS: Full Containment <input checked="" type="checkbox"/> , Critical Barriers <input checked="" type="checkbox"/> , Splash Guards <input type="checkbox"/> , Drop Cloth <input type="checkbox"/> , Barrier Tape <input checked="" type="checkbox"/>			
NEGATIVE AIR SYSTEM: Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/> , # of Units <u>5</u> , Manometer on site <input type="checkbox"/> , Manometer Reading (if < 0.02") _____			
DECONTAMINATION UNIT: Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/> , # of Stages <u>3</u> Shower: Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>			
PROJECT SITE CHECKLIST		PERSONAL PROTECTIVE EQUIPMENT	
<input checked="" type="checkbox"/> Emergency Info. Posted	<input checked="" type="checkbox"/> Disposable Suits	RESPIRATORY PROTECTION	
<input checked="" type="checkbox"/> Fire Extinguishers On-Site	<input checked="" type="checkbox"/> Boots	<input checked="" type="checkbox"/> Half-Face Air Purifying Respirator	
<input checked="" type="checkbox"/> GFCI's Used	<input checked="" type="checkbox"/> Gloves	<input type="checkbox"/> Full-Face Air Purifying Respirator	
<input type="checkbox"/> OSHA Info Posted	<input type="checkbox"/> Safety Glasses/ Goggles	<input type="checkbox"/> Powered Air Purifying Respirator	
<input type="checkbox"/> Personal Sampling Conducted	<input type="checkbox"/> Hard Hat	Other: _____	
<input checked="" type="checkbox"/> Entrance Warning Signs Posted	<input type="checkbox"/> Safety Vest	SIGNIFICANT EVENTS	
<input checked="" type="checkbox"/> Entry/Exit Logs Posted	<input type="checkbox"/> Hearing Protection	16:50 - -0.024 negative air pressure	
<input checked="" type="checkbox"/> Storage Bins Labeled	Other: _____	18:00 - -0.020 negative air pressure	
<input checked="" type="checkbox"/> Bags Labeled		20:00 - -0.022 negative air pressure	
<input type="checkbox"/> Floor and Walls Covered	WORK PRACTICES	20:15 - -0.020 negative air pressure	
<input type="checkbox"/> Area Ventilation Off	<input checked="" type="checkbox"/> Wet Methods Used	Crew works to remove clogged clay dirt from vacuum	
<input checked="" type="checkbox"/> All Edges Sealed	<input checked="" type="checkbox"/> HEPA Vacuums Used	cyclone. It is binding the auger.	
<input checked="" type="checkbox"/> Penetrations Sealed	<input checked="" type="checkbox"/> Waste Double-Bagged or Barreled	No removal from crawl space today.	
<input checked="" type="checkbox"/> Entry Curtains	<input checked="" type="checkbox"/> Wastewater Filtered or Barreled	_____	
<input checked="" type="checkbox"/> Critical Barriers	<input checked="" type="checkbox"/> Negative Air Pressure Achieved	_____	
<input type="checkbox"/> Containment Smoke Tested	<input checked="" type="checkbox"/> Equipment Decontaminated	_____	
<input checked="" type="checkbox"/> Work Area Secured	Other: _____		
AIR MONITORING PERFORMED BY OCCU-TEC INC. :		PCM <input checked="" type="checkbox"/> , TEM _____	
Type			
No. of Background Samples <u>0</u>	No. of Personal Samples <u>0</u>		
No. of Area Samples <u>10</u>	No. of Clearance Samples <u>0</u>		

SIGNATURE: Patricia Garcia



4151 N. Mulberry Drive, Suite 275
 KANSAS CITY, MO 64116
 PH: (816) 231-5580
 TOLL FREE: (800) 950-1953
 FAX: (816) 231-5641

DAILY FIELD REPORT
 (Please print information clearly)

CLIENT: GSA		PROJECT NAME: Goodfellow BLDG 107 3rd Party Air Monitoring Project Oversite	
PROJECT NUMBER: 92114		DATE: 09-28-12	
CONTRACTOR: Global Environmental			
OCCU-TEC PERSONNEL: Patricia Garcia			
IN: 16:00		OUT: 00:00	
CONTRACTOR SUPERVISOR: Matt Lour/Vicki Dunn		NUMBER OF WORKERS: 6	
IN: 17:00		OUT: 00:00	
VISITORS ON SITE:			
OBSERVED WEATHER CONDITIONS: Temperature: 82 Degrees Conditions: Clear _____, Cloudy <u>X</u> _____			
TODAY'S ACTIVITIES: Prep <u>X</u> _____, Removal <u>X</u> _____, Cleanup <u>X</u> _____, Encap. _____, Enclosure _____, Demo. _____, Teardown/Demob. _____			
Area of Activity: Basement GSA 107 Crawl Space		Quantity Removed: 17 cubic yards	
Material Description: Debris		Quantity Remaining: _____	
Area of Activity: _____		Quantity Removed: _____	
Material Description: _____		Quantity Remaining: _____	
Area of Activity: _____		Quantity Removed: _____	
Material Description: _____		Quantity Remaining: _____	
WORK PROCEDURES: Gross Removal <u>X</u> _____, Glovebag _____, Friable <u>X</u> _____, Non-Friable _____, Exterior _____, Other (Explain) _____			
ENGINEERING CONTROLS: Full Containment <u>X</u> _____, Critical Barriers <u>X</u> _____, Splash Guards _____, Drop Cloth _____, Barrier Tape <u>X</u> _____			
NEGATIVE AIR SYSTEM: Yes <u>X</u> _____, No _____, # of Units 5, Manometer on site Yes _____, Manometer Reading (if < 0.02") _____			
DECONTAMINATION UNIT: Yes <u>X</u> _____, No _____, # of Stages 3 Shower: Yes <u>X</u> _____, No _____			
PROJECT SITE CHECKLIST		PERSONAL PROTECTIVE EQUIPMENT	
<u>X</u> Emergency Info. Posted	<u>X</u> Disposable Suits	RESPIRATORY PROTECTION	
<u>X</u> Fire Extinguishers On-Site	<u>X</u> Boots	<u>X</u> Half-Face Air Purifying Respirator	
<u>X</u> GFCI's Used	<u>X</u> Gloves	_____ Full-Face Air Purifying Respirator	
<u>X</u> OSHA Info. Posted	_____ Safety Glasses/ Goggles	_____ Powered Air Purifying Respirator	
_____ Personal Sampling Conducted	_____ Hard Hat	Other: _____	
<u>X</u> Entrance Warning Signs Posted	_____ Safety Vest	SIGNIFICANT EVENTS	
<u>X</u> Entry/Exit Logs Posted	_____ Hearing Protection	16:00 - -0.024 negative air pressure	
<u>X</u> Storage Bins Labeled	Other: _____	17:36 - -0.021 negative air pressure	
<u>X</u> Bags Labeled		19:07 - -0.021 negative air pressure	
_____ Floor and Walls Covered	WORK PRACTICES	20:00 - -0.022 negative air pressure	
_____ Area Ventilation Off	<u>X</u> Wet Methods Used	21:30 - -0.011 negative air pressure	
<u>X</u> All Edges Sealed	<u>X</u> HEPA Vacuums Used	22:45 - -0.021 negative air pressure	
<u>X</u> Penetrations Sealed	<u>X</u> Waste Double-Bagged or Barreled	_____	
<u>X</u> Entry Curtains	<u>X</u> Wastewater Filtered or Barreled	_____	
<u>X</u> Critical Barriers	<u>X</u> Negative Air Pressure Achieved	_____	
_____ Containment Smoke Tested	<u>X</u> Equipment Decontaminated	_____	
<u>X</u> Work Area Secured	Other: _____	_____	
AIR MONITORING PERFORMED BY OCCU-TEC INC. :		PCM <u>X</u> _____, TEM _____	
Type			
No. of Background Samples	0	No. of Personal Samples	0
No. of Area Samples	9	No. of Clearance Samples	0

SIGNATURE: Patricia Garcia



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 KANSAS CITY, MO 64116
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DAILY FIELD REPORT
 (Please print information clearly)

CLIENT: GSA		PROJECT NAME: Goodfellow BLDG 107 3rd Party Air Monitoring Project Oversite	
PROJECT NUMBER.: 92114		DATE: 10-01-12	
CONTRACTOR: Global Environmental			
OCCU-TEC PERSONNEL: Patricia Garcia			
IN: 16:30		OUT: 00:00	
CONTRACTOR SUPERVISOR: Matt Lour/Vicki Dunn		NUMBER OF WORKERS: 7	
IN: 17:00		OUT: 00:00	
VISITORS ON SITE:			
OBSERVED WEATHER CONDITIONS: Temperature: 76 Degrees Conditions: Clear _____, Cloudy <u>X</u> _____			
TODAY'S ACTIVITIES: Prep <u>X</u> _____, Removal <u>X</u> _____, Cleanup <u>X</u> _____, Encap. _____, Enclosure _____, Demo. _____, Teardown/Demob. _____			
Area of Activity: Basement GSA 107 Crawl Space		Quantity Removed: 65 cubic yards	
Material Description: Debris		Quantity Remaining: _____	
Area of Activity: _____		Quantity Removed: _____	
Material Description: _____		Quantity Remaining: _____	
Area of Activity: _____		Quantity Removed: _____	
Material Description: _____		Quantity Remaining: _____	
WORK PROCEDURES: Gross Removal <u>X</u> _____, Glovebag _____, Friable <u>X</u> _____, Non-Friable _____, Exterior _____, Other (Explain) _____			
ENGINEERING CONTROLS: Full Containment <u>X</u> _____, Critical Barriers <u>X</u> _____, Splash Guards _____, Drop Cloth _____, Barrier Tape <u>X</u> _____			
NEGATIVE AIR SYSTEM: Yes <u>X</u> _____, No _____, # of Units <u>5</u> _____, Manometer on site <u>Yes</u> _____, Manometer Reading (if < 0.02") _____			
DECONTAMINATION UNIT: Yes <u>X</u> _____, No _____, # of Stages <u>3</u> _____ Shower: Yes <u>X</u> _____, No _____			
PROJECT SITE CHECKLIST		PERSONAL PROTECTIVE EQUIPMENT	
<u>X</u> Emergency Info. Posted	<u>X</u> Disposable Suits	<u>X</u> Half-Face Air Purifying Respirator	
<u>X</u> Fire Extinguishers On-Site	<u>X</u> Boots	_____ Full-Face Air Purifying Respirator	
<u>X</u> GFCT's Used	<u>X</u> Gloves	_____ Powered Air Purifying Respirator	
<u>X</u> OSHA Info. Posted	_____ Safety Glasses/ Goggles	_____ Other: _____	
_____ Personal Sampling Conducted	_____ Hard Hat		
<u>X</u> Entrance Warning Signs Posted	_____ Safety Vest	SIGNIFICANT EVENTS	
<u>X</u> Entry/Exit Logs Posted	_____ Hearing Protection	17:00 - -0.011 negative air pressure	
<u>X</u> Storage Bins Labeled	_____ Other: _____	17:30 - -0.036 negative air pressure	
<u>X</u> Bags Labeled		19:27 - -0.036 negative air pressure	
_____ Floor and Walls Covered	WORK PRACTICES	20:42 - -0.034 negative air pressure	
_____ Area Ventilation Off	<u>X</u> Wet Methods Used	21:48 - -0.034 negative air pressure	
<u>X</u> All Edges Sealed	<u>X</u> HEPA Vacuums Used	22:45 - -0.032 negative air pressure	
<u>X</u> Penetrations Sealed	<u>X</u> Waste Double-Bagged or Barreled	_____	
<u>X</u> Entry Curtains	<u>X</u> Wastewater Filtered or Barreled	_____	
<u>X</u> Critical Barriers	<u>X</u> Negative Air Pressure Achieved	_____	
_____ Containment Smoke Tested	<u>X</u> Equipment Decontaminated	_____	
<u>X</u> Work Area Secured	_____ Other: _____		
AIR MONITORING PERFORMED BY OCCU-TEC INC. : PCM <u>X</u> _____, TEM _____			
Type			
No. of Background Samples	_____ 0	No. of Personal Samples	_____ 0
No. of Area Samples	_____ 9	No. of Clearance Samples	_____ 0

SIGNATURE: _____ Patricia Garcia _____



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DAILY FIELD REPORT
 (Please print information clearly)

CLIENT: GSA		PROJECT NAME: Goodfellow BLDG 107 3rd Party Air Monitoring Project Oversite	
PROJECT NUMBER: 92114		DATE: 10-02-12	
CONTRACTOR: Global Environmental			
OCCU-TEC PERSONNEL: Patricia Garcia			
IN: 16:30		OUT: 00:00	
CONTRACTOR SUPERVISOR: Matt Lour/Vicki Dunn		NUMBER OF WORKERS: 8	
IN: 17:00		OUT: 00:00	
VISITORS ON SITE:			
OBSERVED WEATHER CONDITIONS: Temperature: 70 Degrees Conditions: Clear _____, Cloudy <input checked="" type="checkbox"/> , Raining _____			
TODAY'S ACTIVITIES: Prep. <input checked="" type="checkbox"/> , Removal <input checked="" type="checkbox"/> , Cleanup <input checked="" type="checkbox"/> , Encap. _____, Enclosure _____, Demo. _____, Teardown/Demoh. _____			
Area of Activity: Basement GSA 107 Crawl Space		Quantity Removed: 75 cubic yards	
Material Description: Debris		Quantity Remaining: _____	
Area of Activity: _____		Quantity Removed: _____	
Material Description: _____		Quantity Remaining: _____	
Area of Activity: _____		Quantity Removed: _____	
Material Description: _____		Quantity Remaining: _____	
WORK PROCEDURES: Gross Removal <input checked="" type="checkbox"/> , Glovebag _____, Friable <input checked="" type="checkbox"/> , Non-Friable _____, Exterior _____, Other (Explain) _____			
ENGINEERING CONTROLS: Full Containment <input checked="" type="checkbox"/> , Critical Barriers <input checked="" type="checkbox"/> , Splash Guards _____, Drop Cloth _____, Barrier Tape <input checked="" type="checkbox"/>			
NEGATIVE AIR SYSTEM: Yes <input checked="" type="checkbox"/> , No _____, # of Units 5, Manometer on site Yes _____, Manometer Reading (if < 0.02") _____			
DECONTAMINATION UNIT: Yes <input checked="" type="checkbox"/> , No _____, # of Stages 3 Shower: Yes <input checked="" type="checkbox"/> , No _____			
PROJECT SITE CHECKLIST		PERSONAL PROTECTIVE EQUIPMENT	
<input checked="" type="checkbox"/> Emergency Info. Posted	<input checked="" type="checkbox"/> Disposable Suits	<input checked="" type="checkbox"/> Half-Face Air Purifying Respirator	
<input checked="" type="checkbox"/> Fire Extinguishers On-Site	<input checked="" type="checkbox"/> Boots	_____ Full-Face Air Purifying Respirator	
<input checked="" type="checkbox"/> GFCT's Used	<input checked="" type="checkbox"/> Gloves	_____ Powered Air Purifying Respirator	
<input checked="" type="checkbox"/> OSHA Info. Posted	_____ Safety Glasses/ Goggles	_____ Other: _____	
_____ Personal Sampling Conducted	_____ Hard Hat		
<input checked="" type="checkbox"/> Entrance Warning Signs Posted	_____ Safety Vest	SIGNIFICANT EVENTS	
<input checked="" type="checkbox"/> Entry/Exit Logs Posted	_____ Hearing Protection	17:10 - -0.045 negative air pressure	
<input checked="" type="checkbox"/> Storage Bins Labeled	_____ Other: _____	18:13 - -0.050 negative air pressure	
<input checked="" type="checkbox"/> Bags Labeled		19:00 - -0.045 negative air pressure	
_____ Floor and Walls Covered	WORK PRACTICES	20:13 - -0.045 negative air pressure	
_____ Area Ventilation Off	<input checked="" type="checkbox"/> Wet Methods Used	21:07 - -0.037 negative air pressure	
<input checked="" type="checkbox"/> All Edges Sealed	<input checked="" type="checkbox"/> HEPA Vacuums Used	22:37 - -0.036 negative air pressure	
<input checked="" type="checkbox"/> Penetrations Sealed	<input checked="" type="checkbox"/> Waste Double-Bagged or Barreled	_____	
<input checked="" type="checkbox"/> Entry Curtains	<input checked="" type="checkbox"/> Wastewater Filtered or Barreled	_____	
<input checked="" type="checkbox"/> Critical Barriers	<input checked="" type="checkbox"/> Negative Air Pressure Achieved	_____	
_____ Containment Smoke Tested	<input checked="" type="checkbox"/> Equipment Decontaminated	_____	
<input checked="" type="checkbox"/> Work Area Secured	_____ Other: _____		
AIR MONITORING PERFORMED BY OCCU-TEC INC. :		PCM <input checked="" type="checkbox"/> , TEM _____	
Type			
No. of Background Samples	0	No. of Personal Samples	0
No. of Area Samples	10	No. of Clearance Samples	0

SIGNATURE: Patricia Garcia



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DAILY FIELD REPORT
 (Please print information clearly)

CLIENT: GSA		PROJECT NAME: Goodfellow BLDG 107 3rd Party Air Monitoring Project Oversite	
PROJECT NUMBER.: 92114		DATE: 10-03-12	
CONTRACTOR: Global Environmental			
OCCU-TEC PERSONNEL: Patricia Garcia			
IN: 16:00		OUT: 00:00	
CONTRACTOR SUPERVISOR: Matt Lour/Vicki Dunn		NUMBER OF WORKERS: 8	
IN: 16:00		OUT: 00:00	
VISITORS ON SITE:			
OBSERVED WEATHER CONDITIONS: Temperature: <u>81</u> Degrees Conditions: Clear <input checked="" type="checkbox"/> , Cloudy _____			
TODAY'S ACTIVITIES: Prep. <input checked="" type="checkbox"/> , Removal <input checked="" type="checkbox"/> , Cleanup <input checked="" type="checkbox"/> , Encap. _____, Enclosure _____, Demo. _____, Teardown/Demob. _____			
Area of Activity: <u>Basement GSA 107 Crawl Space</u>		Quantity Removed: <u>95</u> cubic yards	
Material Description: <u>Debris</u>		Quantity Remaining: _____	
Area of Activity: _____		Quantity Removed: _____	
Material Description: _____		Quantity Remaining: _____	
Area of Activity: _____		Quantity Removed: _____	
Material Description: _____		Quantity Remaining: _____	
WORK PROCEDURES: Gross Removal <input checked="" type="checkbox"/> , Glovebag _____, Friable <input checked="" type="checkbox"/> , Non-Friable _____, Exterior _____, Other (Explain) _____			
ENGINEERING CONTROLS: Full Containment <input checked="" type="checkbox"/> , Critical Barriers <input checked="" type="checkbox"/> , Splash Guards _____, Drop Cloth _____, Barrier Tape <input checked="" type="checkbox"/>			
NEGATIVE AIR SYSTEM: Yes <input checked="" type="checkbox"/> , No _____, # of Units <u>5</u> , Manometer on site <input checked="" type="checkbox"/> , Manometer Reading (if < 0.02") _____			
DECONTAMINATION UNIT: Yes <input checked="" type="checkbox"/> , No _____, # of Stages <u>3</u> Shower: Yes <input checked="" type="checkbox"/> , No _____			
PROJECT SITE CHECKLIST		PERSONAL PROTECTIVE EQUIPMENT	
<input checked="" type="checkbox"/> Emergency Info. Posted	<input checked="" type="checkbox"/> Disposable Suits	<input checked="" type="checkbox"/> Half-Face Air Purifying Respirator	
<input checked="" type="checkbox"/> Fire Extinguishers On-Site	<input checked="" type="checkbox"/> Boots	_____ Full-Face Air Purifying Respirator	
<input checked="" type="checkbox"/> GFCI's Used	<input checked="" type="checkbox"/> Gloves	_____ Powered Air Purifying Respirator	
<input checked="" type="checkbox"/> OSHA Info. Posted	_____ Safety Glasses/ Goggles	_____ Other: _____	
_____ Personal Sampling Conducted	_____ Hard Hat	SIGNIFICANT EVENTS	
<input checked="" type="checkbox"/> Entrance Warning Signs Posted	_____ Safety Vest		
<input checked="" type="checkbox"/> Entry/Exit Logs Posted	_____ Hearing Protection		
<input checked="" type="checkbox"/> Storage Bins Labeled	_____ Other: _____		
<input checked="" type="checkbox"/> Bags Labeled	WORK PRACTICES		16:15 - -0.037 negative air pressure
_____ Floor and Walls Covered	<input checked="" type="checkbox"/> Wet Methods Used		18:23 - -0.037 negative air pressure
_____ Area Ventilation Off	<input checked="" type="checkbox"/> HEPA Vacuums Used		19:01 - -0.035 negative air pressure
<input checked="" type="checkbox"/> All Edges Sealed	<input checked="" type="checkbox"/> Waste Double-Bagged or Barreled		20:22 - -0.034 negative air pressure
<input checked="" type="checkbox"/> Penetrations Sealed	<input checked="" type="checkbox"/> Wastewater Filtered or Barreled		21:00 - -0.041 negative air pressure
<input checked="" type="checkbox"/> Entry Curtains	<input checked="" type="checkbox"/> Negative Air Pressure Achieved		22:22 - -0.026 negative air pressure
<input checked="" type="checkbox"/> Critical Barriers	<input checked="" type="checkbox"/> Equipment Decontaminated		_____
_____ Containment Smoke Tested	_____ Other: _____		_____
<input checked="" type="checkbox"/> Work Area Secured			_____
AIR MONITORING PERFORMED BY OCCU-TEC INC. : PCM <input checked="" type="checkbox"/> , TEM _____			
Type			
No. of Background Samples	<u>0</u>	No. of Personal Samples	<u>0</u>
No. of Area Samples	<u>10</u>	No. of Clearance Samples	<u>0</u>

SIGNATURE: Patricia Garcia



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DAILY FIELD REPORT
 (Please print information clearly)

CLIENT: GSA		PROJECT NAME: Goodfellow BLDG 107 3rd Party Air Monitoring Project Oversight	
PROJECT NUMBER.: 92114		DATE: 10-04-12	
CONTRACTOR: Global Environmental			
OCCU-TEC PERSONNEL: Patricia Garcia			
IN: 16:00		OUT: 00:00	
CONTRACTOR SUPERVISOR: Matt Lour/Vicki Dunn		NUMBER OF WORKERS: 8	
IN: 17:00		OUT: 00:00	
VISITORS ON SITE:			
OBSERVED WEATHER CONDITIONS: Temperature: 82 Degrees Conditions: Clear <input checked="" type="checkbox"/> , Cloudy _____,			
TODAY'S ACTIVITIES: Prep. <input checked="" type="checkbox"/> , Removal <input checked="" type="checkbox"/> , Cleanup <input checked="" type="checkbox"/> , Encap. _____, Enclosure _____, Demo. _____, Teardown/Demob. _____			
Area of Activity: Basement GSA 107 Crawl Space		Quantity Removed: 150 cubic yards	
Material Description: Debris		Quantity Remaining: _____	
Area of Activity: _____		Quantity Removed: _____	
Material Description: _____		Quantity Remaining: _____	
Area of Activity: _____		Quantity Removed: _____	
Material Description: _____		Quantity Remaining: _____	
WORK PROCEDURES: Gross Removal <input checked="" type="checkbox"/> , Glovebag _____, Friable <input checked="" type="checkbox"/> , Non-Friable _____, Exterior _____, Other (Explain) _____			
ENGINEERING CONTROLS: Full Containment <input checked="" type="checkbox"/> , Critical Barriers <input checked="" type="checkbox"/> , Splash Guards _____, Drop Cloth _____, Barrier Tape <input checked="" type="checkbox"/>			
NEGATIVE AIR SYSTEM: Yes <input checked="" type="checkbox"/> , No _____, # of Units 5, Manometer on site Yes _____, Manometer Reading (if < 0.02") _____			
DECONTAMINATION UNIT: Yes <input checked="" type="checkbox"/> , No _____, # of Stages 3 Shower: Yes <input checked="" type="checkbox"/> , No _____			
PROJECT SITE CHECKLIST		PERSONAL PROTECTIVE EQUIPMENT	
<input checked="" type="checkbox"/> Emergency Info. Posted	<input checked="" type="checkbox"/> Disposable Suits	RESPIRATORY PROTECTION	
<input checked="" type="checkbox"/> Fire Extinguishers On-Site	<input checked="" type="checkbox"/> Boots	<input checked="" type="checkbox"/> Half-Face Air Purifying Respirator	
<input checked="" type="checkbox"/> GFCI's Used	<input checked="" type="checkbox"/> Gloves	_____ Full-Face Air Purifying Respirator	
<input checked="" type="checkbox"/> OSHA Info. Posted	_____ Safety Glasses/ Goggles	_____ Powered Air Purifying Respirator	
_____ Personal Sampling Conducted	_____ Hard Hat	Other: _____	
<input checked="" type="checkbox"/> Entrance Warning Signs Posted	_____ Safety Vest	SIGNIFICANT EVENTS	
<input checked="" type="checkbox"/> Entry/Exit Logs Posted	_____ Hearing Protection	16:00- -0.016 negative air pressure	
<input checked="" type="checkbox"/> Storage Bins Labeled	Other: _____	18:00- -0.025 negative air pressure	
<input checked="" type="checkbox"/> Bags Labeled		19:01 - -0.025 negative air pressure	
_____ Floor and Walls Covered	WORK PRACTICES	20:22 - -0.025 negative air pressure	
_____ Area Ventilation Off	<input checked="" type="checkbox"/> Wet Methods Used	21:00 - -0.025 negative air pressure	
<input checked="" type="checkbox"/> All Edges Sealed	<input checked="" type="checkbox"/> HEPA Vacuums Used	22:22 - -0.025 negative air pressure	
<input checked="" type="checkbox"/> Penetrations Sealed	<input checked="" type="checkbox"/> Waste Double-Bagged or Barreled	_____	
<input checked="" type="checkbox"/> Entry Curtains	<input checked="" type="checkbox"/> Wastewater Filtered or Barreled	_____	
<input checked="" type="checkbox"/> Critical Barriers	<input checked="" type="checkbox"/> Negative Air Pressure Achieved	_____	
_____ Containment Smoke Tested	<input checked="" type="checkbox"/> Equipment Decontaminated	_____	
<input checked="" type="checkbox"/> Work Area Secured	Other: _____	_____	
AIR MONITORING PERFORMED BY OCCU-TEC INC. :		PCM <input checked="" type="checkbox"/> , TEM _____	
Type			
No. of Background Samples	0	No. of Personal Samples	0
No. of Area Samples	10	No. of Clearance Samples	0

SIGNATURE: Patricia Garcia



4151 N. Mulberry Drive, Suite 275
 KANSAS CITY, MO 64116
 PH: (816) 231-5580
 TOLL FREE: (800) 950-1953
 FAX: (816) 231-5641

DAILY FIELD REPORT
 (Please print information clearly)

CLIENT: GSA		PROJECT NAME: Goodfellow BLDG 107 3rd Party Air Monitoring Project Oversight	
PROJECT NUMBER: 92114		DATE: 10-05-12	
CONTRACTOR: Global Environmental			
OCCU-TEC PERSONNEL: Patricia Garcia			
IN: 16:00		OUT: 00:00	
CONTRACTOR SUPERVISOR: Matt Lour/Vicki Dunn		NUMBER OF WORKERS: 6	
IN: 17:00		OUT: 00:00	
VISITORS ON SITE:			
OBSERVED WEATHER CONDITIONS: Temperature: <u>50</u> Degrees Conditions: Clear <input type="checkbox"/> , Cloudy <input checked="" type="checkbox"/> , Raining <input type="checkbox"/>			
TODAY'S ACTIVITIES: Prep. <input checked="" type="checkbox"/> , Removal <input checked="" type="checkbox"/> , Cleanup <input checked="" type="checkbox"/> , Encap. <input type="checkbox"/> , Enclosure <input type="checkbox"/> , Demo. <input type="checkbox"/> , Teardown/Demob. <input type="checkbox"/>			
Area of Activity: <u>Basement GSA 107 Crawl Space</u>		Quantity Removed: <u>97</u> cubic yards	
Material Description: <u>Debris</u>		Quantity Remaining: _____	
Area of Activity: _____		Quantity Removed: _____	
Material Description: _____		Quantity Remaining: _____	
Area of Activity: _____		Quantity Removed: _____	
Material Description: _____		Quantity Remaining: _____	
WORK PROCEDURES: Gross Removal <input checked="" type="checkbox"/> , Glovebag <input type="checkbox"/> , Friable <input checked="" type="checkbox"/> , Non-Friable <input type="checkbox"/> , Exterior <input type="checkbox"/> , Other (Explain) _____			
ENGINEERING CONTROLS: Full Containment <input checked="" type="checkbox"/> , Critical Barriers <input checked="" type="checkbox"/> , Splash Guards <input type="checkbox"/> , Drop Cloth <input type="checkbox"/> , Barrier Tape <input checked="" type="checkbox"/>			
NEGATIVE AIR SYSTEM: Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/> , # of Units <u>5</u> , Manometer on site <input checked="" type="checkbox"/> , Manometer Reading (if < 0.02") _____			
DECONTAMINATION UNIT: Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/> , # of Stages <u>3</u> Shower: Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>			
PROJECT SITE CHECKLIST		PERSONAL PROTECTIVE EQUIPMENT	
<input checked="" type="checkbox"/> Emergency Info. Posted	<input checked="" type="checkbox"/> Disposable Suits	<input checked="" type="checkbox"/> Half-Face Air Purifying Respirator	
<input checked="" type="checkbox"/> Fire Extinguishers On-Site	<input checked="" type="checkbox"/> Boots	<input type="checkbox"/> Full-Face Air Purifying Respirator	
<input checked="" type="checkbox"/> GFCI's Used	<input checked="" type="checkbox"/> Gloves	<input type="checkbox"/> Powered Air Purifying Respirator	
<input checked="" type="checkbox"/> OSHA Info. Posted	<input type="checkbox"/> Safety Glasses/ Goggles	Other: _____	
<input type="checkbox"/> Personal Sampling Conducted	<input type="checkbox"/> Hard Hat	SIGNIFICANT EVENTS	
<input checked="" type="checkbox"/> Entrance Warning Signs Posted	<input type="checkbox"/> Safety Vest		
<input checked="" type="checkbox"/> Entry/Exit Logs Posted	<input type="checkbox"/> Hearing Protection		
<input checked="" type="checkbox"/> Storage Bins Labeled	Other: _____		
<input checked="" type="checkbox"/> Bags Labeled	WORK PRACTICES		16:00- -0.016 negative air pressure
<input type="checkbox"/> Floor and Walls Covered	<input checked="" type="checkbox"/> Wet Methods Used		18:00- -0.022 negative air pressure
<input type="checkbox"/> Area Ventilation Off	<input checked="" type="checkbox"/> HEPA Vacuums Used		19:29 - -0.022 negative air pressure
<input checked="" type="checkbox"/> All Edges Sealed	<input checked="" type="checkbox"/> Waste Double-Bagged or Barreled		21:07 - -0.023 negative air pressure
<input checked="" type="checkbox"/> Penetrations Sealed	<input checked="" type="checkbox"/> Wastewater Filtered or Barreled		21:00 - -0.025 negative air pressure
<input checked="" type="checkbox"/> Entry Curtains	<input checked="" type="checkbox"/> Negative Air Pressure Achieved		22:22 - -0.025 negative air pressure
<input checked="" type="checkbox"/> Critical Barriers	<input checked="" type="checkbox"/> Equipment Decontaminated		
<input type="checkbox"/> Containment Smoke Tested	Other: _____		
<input checked="" type="checkbox"/> Work Area Secured			
AIR MONITORING PERFORMED BY OCCU-TEC INC. :		PCM <input checked="" type="checkbox"/> , TEM _____	
Type			
No. of Background Samples <u>0</u>	No. of Personal Samples <u>0</u>		
No. of Area Samples <u>10</u>	No. of Clearance Samples <u>0</u>		

SIGNATURE: Patricia Garcia



4151 N. Mulberry Drive, Suite 275
 KANSAS CITY, MO 64116
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 TOLL FREE: (800) 950-1953
 FAX: (816) 231-5641

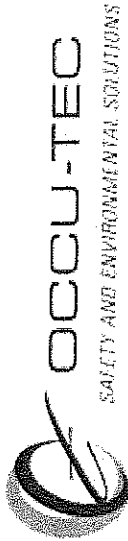
DAILY FIELD REPORT
 (Please print information clearly)

CLIENT: GSA		PROJECT NAME: Goodfellow BLDG 107 3rd Party Air Monitoring Project Oversight	
PROJECT NUMBER.: 92114		DATE: 10-08-12	
CONTRACTOR: Global Environmental			
OCCU-TEC PERSONNEL: Patricia Garcia			
IN: 6:30		OUT: 15:00	
CONTRACTOR SUPERVISOR: Matt Lour/Vicki Dunn		NUMBER OF WORKERS: 4	
IN: 7:00		OUT: 15:00	
VISITORS ON SITE:			
OBSERVED WEATHER CONDITIONS: Temperature: 38 Degrees Conditions: Clear <input checked="" type="checkbox"/> , Cloudy _____			
TODAY'S ACTIVITIES: Prep. <input checked="" type="checkbox"/> , Removal <input checked="" type="checkbox"/> , Cleanup <input checked="" type="checkbox"/> , Encap. <input checked="" type="checkbox"/> , Enclosure _____, Demo. _____, Teardown/Demob. _____			
Area of Activity: Basement GSA 107 Crawl Space		Quantity Removed: 10 30gal bags	
Material Description: Debris		Quantity Remaining: _____	
Area of Activity: _____		Quantity Removed: _____	
Material Description: _____		Quantity Remaining: _____	
Area of Activity: _____		Quantity Removed: _____	
Material Description: _____		Quantity Remaining: _____	
WORK PROCEDURES: Gross Removal <input checked="" type="checkbox"/> , Glovebag _____, Friable <input checked="" type="checkbox"/> , Non-Friable _____, Exterior _____, Other (Explain) _____			
ENGINEERING CONTROLS: Full Containment <input checked="" type="checkbox"/> , Critical Barriers <input checked="" type="checkbox"/> , Splash Guards _____, Drop Cloth _____, Barrier Tape <input checked="" type="checkbox"/>			
NEGATIVE AIR SYSTEM: Yes <input checked="" type="checkbox"/> , No _____, # of Units 5, Manometer on site Yes _____, Manometer Reading (if < 0.02") _____			
DECONTAMINATION UNIT: Yes <input checked="" type="checkbox"/> , No _____, # of Stages 3 Shower: Yes <input checked="" type="checkbox"/> , No _____			
PROJECT SITE CHECKLIST		PERSONAL PROTECTIVE EQUIPMENT	
<input checked="" type="checkbox"/> Emergency Info. Posted	<input checked="" type="checkbox"/> Disposable Suits	<input checked="" type="checkbox"/> Half-Face Air Purifying Respirator	
<input checked="" type="checkbox"/> Fire Extinguishers On-Site	<input checked="" type="checkbox"/> Boots	_____ Full-Face Air Purifying Respirator	
<input checked="" type="checkbox"/> GFCI's Used	<input checked="" type="checkbox"/> Gloves	_____ Powered Air Purifying Respirator	
<input checked="" type="checkbox"/> OSHA Info. Posted	_____ Safety Glasses/ Goggles	Other: _____	
_____ Personal Sampling Conducted	_____ Hard Hat		
<input checked="" type="checkbox"/> Entrance Warning Signs Posted	_____ Safety Vest	SIGNIFICANT EVENTS	
<input checked="" type="checkbox"/> Entry/Exit Logs Posted	_____ Hearing Protection	6:30 - -0.016 negative air pressure	
<input checked="" type="checkbox"/> Storage Bins Labeled	Other: _____	8:00 - -0.022 negative air pressure	
<input checked="" type="checkbox"/> Bags Labeled		9:30 - -0.022 negative air pressure	
_____ Floor and Walls Covered	WORK PRACTICES	11:07 - -0.020 negative air pressure	
_____ Area Ventilation Off	<input checked="" type="checkbox"/> Wet Methods Used	13:00 - -0.021 negative air pressure	
<input checked="" type="checkbox"/> All Edges Sealed	<input checked="" type="checkbox"/> HEPA Vacuums Used	14:17 - -0.020 negative air pressure	
<input checked="" type="checkbox"/> Penetrations Sealed	<input checked="" type="checkbox"/> Waste Double-Bagged or Barreled	_____	
<input checked="" type="checkbox"/> Entry Curtains	<input checked="" type="checkbox"/> Wastewater Filtered or Barreled	_____	
<input checked="" type="checkbox"/> Critical Barriers	<input checked="" type="checkbox"/> Negative Air Pressure Achieved	_____	
_____ Containment Smoke Tested	<input checked="" type="checkbox"/> Equipment Decontaminated	_____	
<input checked="" type="checkbox"/> Work Area Secured	Other: _____		
AIR MONITORING PERFORMED BY OCCU-TEC INC. :		PCM <input checked="" type="checkbox"/> , TEM _____	
Type			
No. of Background Samples	0	No. of Personal Samples	0
No. of Area Samples	8	No. of Clearance Samples	0

SIGNATURE: Patricia Garcia

Appendix C

Asbestos Air Monitoring Reports (PCM)



PCM ANALYSIS OF AIR SAMPLES

4151 N. Mulberry Drive, Suite 275
 KANSAS CITY, MO 64116
 PH: (816) 231-5580
 FAX: (816) 231-5641

OCCU-TEC Project #: 92114
 Sample Date: 9/18/2012
 Analysis Date: 9/19/2012
 Report Date: 10/23/2012
 Rotometer # 412
 Blank Average = 0

CLIENT NAME: GSA
 ADDRESS: 1500 Bannister Road
 PROJECT NAME: 3rd Party Project Oversight BLDG 107 Crawl Space

FILTER TYPE: 25mm, 0.8 um MCE ANALYTICAL METHOD: NIOSH 7400

Client Sample ID	Activity/Location	Sample Type	Pump ID	Flow Rate (l/min)			Running Time		Total Minutes	Volume Liters	Fibers	Fields	Fibers/mm2	Fibers/cc
				Start	End	Avg	Start	Stop						
92114-PCM-001	Field Blank									0	100			
92114-PCM-002	Field Blank									0	100			
92114-PCM-003	2nd Floor by Room 214	OWA	404	1.25	1.25	1.25	15:33	11:27	1194	1492.5	9.5	100	12.10	0.003
92114-PCM-004	2nd Floor by Room 224	OWA	399	1.25	1.25	1.25	15:55	11:28	1173	1466.3	11	100	14.01	0.004
92114-PCM-005	1st Floor Admin Office	OWA	405	3.29	3.29	3.29	16:09	23:17	428	1408.1	22	100	28.03	0.008
92114-PCM-006	1st Floor GSA Office	OWA	385	3.29	3.29	3.29	16:11	23:17	426	1401.5	10.5	100	13.38	0.004
92114-PCM-007	1st Floor North Hallway	OWA	388	3.29	3.29	3.29	16:15	23:15	420	1381.8	10.5	100	13.38	0.004
92114-PCM-008	1st Floor South Vestibule	OWA	386	3.29	3.29	3.29	16:18	23:16	418	1375.2	8.5	100	10.83	0.003
92114-PCM-009	Basement Outside	OWA	68	3.29	3.29	3.29	16:20	23:18	418	1375.2	2	100	2.55	< 0.002
92114-PCM-010	Basement Change Area	OWA	403	3.29	3.29	3.29	16:26	23:24	418	1375.2	9	100	11.46	0.003
92114-PCM-011	Basement by Sensors	OWA	406	3.29	3.29	3.29	16:30	23:26	416	1368.6	7.5	100	9.55	0.003
92114-PCM-012	Basement Decon	OWA	349	3.29	3.29	3.29	16:31	23:25	414	1362.1	9	100	11.46	0.003

SAMPLE TYPE
 PRS=personal IWA=inside work area NAE=negative air exhaust
 BLK=blank OWA= outside work area CR= clean room
 CL=clearance BGD=background

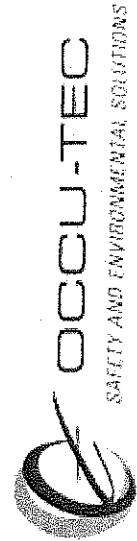
ACTIVITY
 PREP=site prep. BGLQ=bag load out
 GLBG=glovebag CLN=clean up
 GREM=gross removal EXC=excursion

RESPIRATOR TYPE
 HM=half mask APR=air purifying resp.
 FF=full face SA=supplied air
 P=powered PD=pressure demand
 SCSA=seal contained breathing apparatus.

Analyzed By: _____ Checked By: _____

The NIOSH 7400 counting rules A does not distinguish between asbestos and non-asbestos fibers.
 The NIOSH 7400 method assumes the lowest quantitative fiber density is 7 fibers / 100 fields at 95% confidence level. OCCUTEK's limit of detection (LOD) is equal to 7 fibers/100 fields.
 Samples processed by a < sigt are calculated using a count of 7 fibers per 100 fields
 This report should not be reproduced except in full.
 The estimated intracounter coefficient of variation (CV) for this laboratory is 0.77 (Low Range), 0.27 (Medium Range, 0.17 (High Range).
 Low Range = 5 to 20 Fibers; Medium Range = 20 to 50 Fibers; High Range = 50 to 100 Fibers
 The estimated interlaboratory CV for the quality control program that this laboratory participates in is 0.45.
 fshare/masterform/asbestos/pcmmainr.xls

AHHA PAT Lab #: 101268



PCM ANALYSIS OF AIR SAMPLES

4151 N. Mulberry Drive, Suite 275
 KANSAS CITY, MO 64116
 PH: (816) 231-5580
 FAX: (816) 231-5641

OCCU-TEC Project #: 92114
 Sample Date: 9/19/2012
 Analysis Date: 9/20/2012
 Report Date: 10/23/2012
 Rotometer # 412
 Blank Average = 1

CLIENT NAME: GSA
 ADDRESS: 1500 Bannister Road
 PROJECT NAME: 3rd Party Project Oversight BLDG 107 Crawl Space

FILTER TYPE: 25mm, 0.8 um MCE

ANALYTICAL METHOD: NIOSH 7400

Client Sample ID	Activity/Location	Sample Type	Pump ID	Flow Rate (l/min)		Running Time		Total Minutes	Volume Liters	Fibers	Fields	Fibers/mm2	Fibers/cc
				Start	End	Start	Stop						
92114-PCM-013	Field Blank									1	100		
92114-PCM-014	Field Blank									1	100		
92114-PCM-015	2nd Floor by Room 214	OWA	404	1.25	1.25	16:02	11:20	1158	1447.5	3	100	2.55	< 0.002
92114-PCM-016	2nd Floor by Room 224	OWA	399	1.25	1.25	16:03	11:21	1158	1447.5	3	100	2.55	< 0.002
92114-PCM-017	1st Floor Admin Office	OWA	405	3.29	3.29	16:10	23:00	410	1348.9	7	100	7.84	< 0.003
92114-PCM-018	1st Floor GSA Office	OWA	385	3.29	3.29	16:12	23:01	409	1345.6	10	100	11.46	0.003
92114-PCM-019	1st Floor North Hallway	OWA	388	3.29	3.29	16:15	23:02	407	1339	2	100	1.27	< 0.003
92114-PCM-020	1st Floor South Vestibule	OWA	386	3.29	3.29	16:16	23:03	407	1339	4	100	3.82	< 0.003
92114-PCM-021	Basement Outside	OWA	68	3.29	3.29	16:30	23:04	394	1296.3	8.5	100	9.55	0.003
92114-PCM-022	Basement Change Area	OWA	403	3.29	3.29	16:20	23:06	406	1335.7	4	100	3.82	< 0.003
92114-PCM-023	Basement by Sensors	OWA	406	3.29	3.29	16:21	23:05	404	1329.2	9	100	10.19	0.003
92114-PCM-024	Basement Decon	OWA	349	2.29	2.29	16:25	23:08	403	922.87	1.5	100	0.64	< 0.004

SAMPLE TYPE
 PRS=personal IWA=inside work area NAE=negative air exhaust
 BLK=blank OWA= outside work area CR= clean room
 CL=clearance BGD=background

ACTIVITY
 PREP=site prep. BGL0=bag load out
 GLBG=glovebag CLN=clean up
 GREM=gross removal EXO=excursion

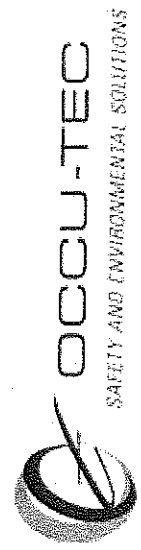
RESPIRATOR TYPE
 HM=half mask APR=air purifying resp.
 FF=full face SA=supplied air
 P=powered PD=pressure demand
 SLSA=self contained breathing apparatus.

Analyzed By: _____

Checked By: _____

The NIOSH 7400 counting rules A, does not distinguish between asbestos and non-asbestos fibers.
 The NIOSH 7400 method assumes the lowest quantitative fiber density is 7 fibers / 100 fields at 95% confidence level. OCCU-TEC's limit of detection (LOD) is equal to 7 fibers/100 fields.
 Samples preceded by a < sign are calculated using a count of 7 fibers per 100 fields.
 This report should not be reproduced except in full.
 The estimated intracounter coefficient of variation (CV) for this laboratory is 0.77 (Low Range), 0.27 (Medium Range), 0.17 (High Range).
 Low Range = 5 to 20 Fibers; Medium Range = 20 to 50 Fibers; High Range = 50 to 160 Fibers
 The estimated interlaboratory CV for the quality control program that this laboratory participates in is 0.45.
 fshre/materil/cont/asbestos/pcm/master.26

AIHA PAT Lab #: 101266



PCM ANALYSIS OF AIR SAMPLES

4151 N. Mulberry Drive, Suite 275
 KANSAS CITY, MO 64116
 PH: (816) 231-5580
 FAX: (816) 231-5641

OCCU-TEC Project #: 92114
 Sample Date: 9/20/2012
 Analysis Date: 9/21/2012
 Report Date: 10/23/2012
 Rotometer # 412
 Blank Average = 0.5

CLIENT NAME: GSA
 ADDRESS: 1500 Bannister Road
 PROJECT NAME: 3rd Party Project Oversite BLDG 107 Crawl Space

FILTER TYPE: 25mm, 0.8 um MCE ANALYTICAL METHOD: NIOSH 7400

Client Sample ID	Activity/Location	Pump ID	Flow Rate (l/min)		Running Time		Total Minutes	Volume Liters	Fibers	Fields	Fibers/mm2	Fibers/cc
			Start	End	Start	Stop						
92114-PCM-025	Field Blank								1	100		
92114-PCM-026	Field Blank								0	100		
92114-PCM-027	2nd Floor by Room 214	404	1.25	1.25	16:33	15:54	1401	1751.3	11.5	100	14.01	0.003
92114-PCM-028	2nd Floor by Room 224	399	1.25	1.25	16:35	15:55	1400	1750	6.5	100	7.64	< 0.002
92114-PCM-029	1st Floor Admin Office	405	3.29	3.29	16:38	23:01	383	1260.1	12.5	100	15.29	0.005
92114-PCM-030	1st Floor GSA Office	385	3.29	3.29	16:40	23:02	382	1256.8	13.5	100	16.56	0.005
92114-PCM-031	1st Floor North Hallway	388	3.29	3.29	16:42	23:04	382	1256.8	5	100	5.73	< 0.003
92114-PCM-032	1st Floor South Vestibule	386	3.29	3.29	16:45	23:04	379	1246.9	5	100	5.73	< 0.003
92114-PCM-033	Basement Change Area	403	3.29	3.29	16:49	23:06	377	1240.3	11.5	100	14.01	0.004
92114-PCM-034	Basement Decon	356	2.29	2.29	16:55	23:06	371	849.59	3	100	3.18	< 0.004
92114-PCM-035	Outside Pit Entrance	68	3.29	3.29	16:58	23:11	373	1227.2	9	100	10.83	0.003
92114-PCM-036	Basement by Sensors	406	3.29	3.29	16:56	23:07	371	1220.6	6.5	100	7.64	< 0.003

SAMPLE TYPE
 PRS=personal IWA=inside work area NAE=negative air exhaust
 BLK=blank OWA= outside work area CR= clean room
 CL=clearance BGD=background

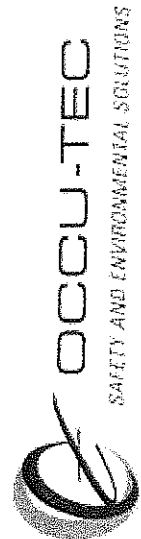
ACTIVITY
 PREP=site prep. BGL0=bag load out
 GLBG=glovebag CLN=clean up
 GREM=gross removal EXC=excursion

RESPIRATOR TYPE
 HM=half mask APR=air purifying resp.
 FF=full face SA=supplied air
 P=powered PD=pressure demand
 SUBA=seal contained breathing apparatus.

Analyzed By: [Redacted]

Checked By: [Redacted]

The NIOSH 7400 counting rules A does not distinguish between asbestos and non-asbestos fibers.
 The NIOSH 7400 method assumes the lowest quantitative fiber density is 7 fibers / 100 fields at 85% confidence level. OCCU-TEC's limit of detection (LOD) is equal to 7 fibers/100 fields.
 Samples preceded by a < sign are calculated using a count of 7 fibers per 100 fields.
 The estimated intracounter coefficient of variation (CV) for this laboratory is 9.77 (Low Range), 0.27 (Medium Range, 0.17 (High Range).
 Low Range = 5 to 20 Fibers; Medium Range = 20 to 50 Fibers; High Range = 50 to 100 Fibers
 The estimated interlaboratory CV for the quality control program that this laboratory participates in is 0.45.



PCM ANALYSIS OF AIR SAMPLES

4151 N. Mulberry Drive, Suite 275
 KANSAS CITY, MO 64116
 PH: (816) 231-5580
 FAX: (816) 231-5641

OCCU-TEC Project #: 92114
 Sample Date: 9/21/2012
 Analysis Date: 9/24/2012
 Report Date: 10/23/2012
 Rotometer # 412
 Blank Average = 1

CLIENT NAME: GSA
 ADDRESS: 1500 Bannister Road
 PROJECT NAME: 3rd Party Project Oversight BLDG 107 Crawl Space

FILTER TYPE: 25mm, 0.8 um MCE ANALYTICAL METHOD: NIOSH 7400

Client Sample ID	Activity/Location	Sample Type	Pump ID	Flow Rate (l/min)			Running Time		Total Minutes	Volume Liters	Fibers	Fields	Fibers/mm2	Fibers/cc
				Start	End	Avg	Start	Stop						
92114-PCM-037	Field Blank									1	100			
92114-PCM-038	Field Blank									1	100			
92114-PCM-039	1st Floor Admin Office	OWA	405	3.29	3.29	3.29	16:22	22:51	389	1279.8	2	100	1.27	< 0.003
92114-PCM-040	1st Floor GSA Office	OWA	385	3.29	3.29	3.29	16:24	22:52	388	1276.5	7	100	7.64	< 0.003
92114-PCM-041	1st Floor North Hallway	OWA	388	3.29	3.29	3.29	16:26	22:53	387	1273.2	1	100	0.00	< 0.003
92114-PCM-042	1st Floor South Vestibule	OWA	386	3.29	3.29	3.29	16:28	22:54	386	1269.9	2	100	1.27	< 0.003
92114-PCM-043	1st Floor Conference Room	OWA	356	2.29	2.29	2.29	16:30	22:55	385	881.65	1	100	0.00	< 0.004
92114-PCM-044	1st Floor Conference Area	OWA	403	3.29	3.29	3.29	16:48	22:58	370	1217.3	11	100	12.74	0.004
92114-PCM-045	Basement Decon	OWA	348	2.29	2.29	2.29	16:33	22:59	386	883.94	5	100	5.10	< 0.004
92114-PCM-047	Basement by Sensors	OWA	406	3.29	3.29	3.29	16:52	23:00	368	1210.7	1	100	0.00	< 0.003
92114-PCM-046	Basement Neg Air Exhaust	OWA	349	2.29	2.29	2.29	16:52	23:00	368	842.72	7	100	7.64	< 0.004
92114-PCM-048	Outside Pit Entrance	OWA	68	3.29	3.29	3.29	16:33	22:57	384	1263.4	12.5	100	14.65	0.004

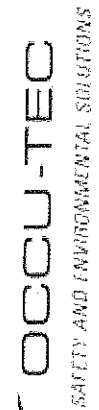
SAMPLE TYPE	ACTIVITY	RESPIRATOR TYPE

Analyzed By: _____

Checked By: _____

The NIOSH 7400 counting rules A does not distinguish between asbestos and non-asbestos fibers.
 The NIOSH 7400 method assumes the lowest quantitative fiber density is 7 fibers / 100 fields at 95% confidence level. OCCU-TEC's limit of detection (LOD) is equal to 7 fibers/100 fields.
 Samples processed by a % sign are calculated using a count of 7 fibers per 100 fields.
 This report should not be reproduced except in full.
 The estimated intracounter coefficient of variation (CV) for this laboratory is 0.77 (Low Range), 0.27 (Medium Range), 0.17 (High Range).
 Low Range = 5 to 20 Fibers; Medium Range = 20 to 50 Fibers; High Range = 50 to 100 Fibers
 The estimated interlaboratory CV for the quality control program that this laboratory participates in is 0.45.

PCM ANALYSIS OF AIR SAMPLES



4151 N. Mulberry Drive, Suite 275
 KANSAS CITY, MO 64116
 PH: (816) 231-5580
 FAX: (816) 231-5641

CLIENT NAME: GSA
 ADDRESS: 1500 Bannister Road
 PROJECT NAME: 3rd Party Project Oversight BLDG 107 Crawl Space

OCCU-TEC Project #: 92114
 Sample Date: 9/24/2012
 Analysis Date: 9/25/2012
 Report Date: 10/23/2012
 Rotometer # 412
 Blank Average = 0.5

FILTER TYPE: 25mm, 0.8 um MCE

ANALYTICAL METHOD: NIOSH 7400

Sample ID	Client	Activity/Location	Sample Type	Pump ID	Flow Rate (l/min)			Running Time		Total Minutes	Volume Liters	Fibers	Fields	Fibers/mm2	Fibers/cc
					Start	End	Avg	Start	Stop						
92114-PCM-049		Field Blank			1.25	1.25	1.25	16:42	15:42	1380	1725	6.5	100	7.64	< 0.002
92114-PCM-050		Field Blank			1.25	1.25	1.25	16:44	15:44	1380	1725	4	100	4.46	< 0.002
92114-PCM-051	OWA	2nd Floor by Room 214		403	4.39	4.39	4.39	16:46	23:02	376	1650.6	8	100	9.55	0.002
92114-PCM-052	OWA	2nd Floor by Room 224		399	4.39	4.39	4.39	16:48	23:03	375	1646.3	3	100	3.18	< 0.002
92114-PCM-053	OWA	1st Floor North Hallway		388	4.39	4.39	4.39	16:50	23:08	378	1659.4	5.5	100	6.37	< 0.002
92114-PCM-054	OWA	1st Floor South Vestibule		68	4.39	4.39	4.39	17:05	23:00	355	1558.5	5.5	100	6.37	< 0.002
92114-PCM-055	OWA	Outside Pit Entrance		405	4.39	4.39	4.39	17:07	23:01	354	1554.1	7.5	100	8.92	0.002
92114-PCM-056	OWA	1st Floor Admin		385	4.39	4.39	4.39	17:09	23:06	357	1567.2	2	100	1.91	< 0.002
92114-PCM-057	OWA	1st Floor GSA Offices		403	4.39	4.39	4.39	16:52	23:05	373	1637.5	2.5	100	2.55	< 0.002
92114-PCM-058	OWA	Basement Outside Crawl Space		406	4.39	4.39	4.39	16:33	23:04	391	1012.7	0	100		
92114-PCM-059	OWA	Basement by Sensors		348	2.59	2.59	2.59								
92114-PCM-060	OWA	Neg Air													

SAMPLE TYPE

PRS=personal IWA=inside work area NAE=negative air exhaust
 BLK=blank OWA=outside work area CR= clean room
 CL=clearance BGD=background

ACTIVITY

PREP=site prep. BGLD=bag load out
 GLBG=glovebag CLN=clean up
 GREM=gross removal EXC=excursion

RESPIRATOR TYPE

HM=half mask APR=air purifying resp.
 FF=full face SA=supplied air
 P=powered PD=pressure demand
 SLBA=Self contained breathing apparatus.

Analyzed By: _____

Checked By: _____

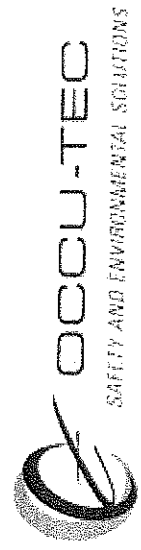
The NIOSH 7400 counting rules A does not distinguish between asbestos and non-asbestos fibers.
 The NIOSH 7400 method assumes the lowest quantitative fiber density is 7 fibers / 100 fields at 95% confidence level. OCCUTE's limit of detection (LOD) is equal to 7 fibers/100 fields.
 Samples preceded by a < sign are calculated using a count of 7 fibers per 100 fields.

This report should not be reproduced except in full.
 The estimated intracounter coefficient of variation (CV) for this laboratory is 0.77 (Low Range), 0.27 (Medium Range), 0.17 (High Range).

Low Range = 5 to 20 Fibers; Medium Range = 20 to 50 Fibers; High Range = 50 to 100 Fibers
 The estimated interlaboratory CV for the quality control program that this laboratory participates in is 0.48.

tsarhmetelstformstasestecbommar24

AHA PAT Lab #: 101266



PCM ANALYSIS OF AIR SAMPLES

4151 N. Mulberry Drive, Suite 275
 KANSAS CITY, MO 64116
 PH: (816) 231-5580
 FAX: (816) 231-5641

OCCU-TEC Project #: 92114
 Sample Date: 9/25/2012
 Analysis Date: 9/26/2012
 Report Date: 10/23/2012
 Rotometer # 412
 Blank Average = 0

CLIENT NAME: GSA
 ADDRESS: 1500 Bannister Road
 PROJECT NAME: 3rd Party Project Oversite BLDG 107 Crawl Space

FILTER TYPE: 25mm, 0.8 um MCE ANALYTICAL METHOD: NIOSH 7400

Client Sample ID	Activity/Location	Sample Type	Pump ID	Flow Rate (l/min)			Running Time		Total Minutes	Volume Liters	Fibers	Fields	Fibers/mm2	Fibers/cc
				Start	End	Avg	Start	Stop						
92114-PCM-71	Field Blank									0	100			
92114-PCM-72	Field Blank									0	100			
92114-PCM-061	2nd Floor by Room 214	OWA	356	1.25	1.25	1.25	15:42	16:08	1466	1832.5	5.5	100	7.01	< 0.002
92114-PCM-062	2nd Floor by Room 224	OWA	358	1.25	1.25	1.25	15:45	16:10	1465	1831.3	8.5	100	10.83	0.002
92114-PCM-063	1st Floor Admin	OWA	405	4.39	4.39	4.39	15:50	22:32	402	1764.8	5	100	6.37	< 0.002
92114-PCM-064	1st Floor GSA Offices	OWA	385	4.39	4.39	4.39	15:52	22:30	398	1747.2	9.5	100	12.10	0.003
92114-PCM-065	1st Floor North Hallway	OWA	388	4.39	4.39	4.39	16:00	22:33	393	1725.3	1	100	1.27	< 0.002
92114-PCM-066	1st Floor South Vestibule	OWA	386	4.39	4.39	4.39	16:01	22:35	394	1729.7	6	100	7.64	< 0.002
92114-PCM-067	Basement Outside Crawl Space	OWA	403	4.39	4.39	4.39	16:03	22:37	394	1729.7	5.5	100	7.01	< 0.002
92114-PCM-068	Basement by Sensors	OWA	406	4.39	4.39	4.39	16:05	22:38	393	1725.3	3	100	3.82	< 0.002
92114-PCM-069	Neg Air	OWA	348	2.59	2.59	2.59	16:07	22:38	391	1012.7	3.5	100	4.46	< 0.003
92114-PCM-070	Outside Pit	OWA	68	4.39	4.39	4.39	16:10	20:25	255	1119.5	6	100	7.64	< 0.003

SAMPLE TYPE
 PRS=personal IWA=inside work area NAE=negative air exhaust
 BLK=blank OWA= outside work area CR= clean room
 CL=clearance BGD=background

ACTIVITY
 PREP=site prep. BGL0=bag load out
 GLBG=glovebag CLN=clean up
 GREM=gross removal EXC=excursion

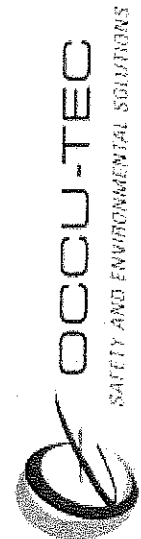
RESPIRATOR TYPE
 HM=half mask APR=air purifying resp.
 FF=full face SA=supplied air
 P=powered PID=pressure demand
 SUCR=seal contained breathing apparatus.

Analyzed By: [Redacted]

Checked By: [Redacted]

The NIOSH 7400 counting rules A does not distinguish between asbestos and non-asbestos fibers.
 The NIOSH 7400 method assumes the lowest quantitative fiber density is 7 fibers / 100 fields at 95% confidence level. OCCU-TEC's limit of detection (LOD) is equal to 7 fibers/100 fields.
 Samples preceded by a ≤ sign are calculated using a count of 7 fibers per 100 fields.
 This report should not be reproduced except in full.
 The estimated intracounter coefficient of variation (CV) for this laboratory is 6.77 (Low Range), 0.27 (Medium Range), 0.17 (High Range).
 Low Range = 5 to 20 Fibers; Medium Range = 20 to 50 Fibers; High Range = 50 to 100 Fibers
 The estimated interlaboratory CV for the quality control program that this laboratory participates in is 0.45.

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PCM ANALYSIS OF AIR SAMPLES

4151 N. Mulberry Drive, Suite 275
 KANSAS CITY, MO 64116
 PH: (816) 231-5580
 FAX: (816) 231-5641

OCCU-TEC Project #: 92114
 Sample Date: 9/26/2012
 Analysis Date: 9/27/2012
 Report Date: 10/23/2012
 Rotometer # 412
 Blank Average = 0

CLIENT NAME: GSA
 ADDRESS: 1500 Bannister Road
 PROJECT NAME: 3rd Party Project Oversight BLDG 107 Crawl Space

FILTER TYPE: 25mm, 0.8 um MCE ANALYTICAL METHOD: NIOSH 7400

Client Sample ID	Activity/Location	Sample Type	Pump ID	Flow Rate (l/min)			Running Time		Total Minutes	Volume Liters	Fibers	Fields	Fibers/mm2	Fibers/cc
				Start	End	Avg	Start	Stop						
92114-PCM-73	Field Blank									0	100			
92114-PCM-74	Field Blank									0	100			
92114-PCM-75	2nd Floor by Room 214	OWA	356	1.25	1.25	1.25	16:08	16:28	1460	1825	11.5	100	14.65	0.003
92114-PCM-76	2nd Floor by Room 224	OWA	358	1.25	1.25	1.25	16:10	16:31	1461	1826.3	11.5	100	14.65	0.003
92114-PCM-77	1st Floor Admin	OWA	405	4.39	4.39	4.39	16:14	22:35	381	1672.6	8	100	10.19	0.002
92114-PCM-78	1st Floor GSA Offices	OWA	385	4.39	4.39	4.39	16:15	22:38	383	1681.4	2.5	100	3.18	< 0.002
92114-PCM-79	1st Floor North Hallway	OWA	388	4.39	4.39	4.39	16:18	22:39	381	1672.6	0	100		
92114-PCM-80	1st Floor South Vestibule	OWA	386	4.39	4.39	4.39	16:20	22:40	380	1668.2	2.5	100	3.18	< 0.002
92114-PCM-81	Basement Outside Crawl Space	OWA	403	4.39	4.39	4.39	16:23	22:41	378	1659.4	3.5	100	4.46	< 0.002
92114-PCM-82	Basement by Sensors	OWA	406	4.39	4.39	4.39	16:25	22:42	377	1655	5	100	6.37	< 0.002
92114-PCM-83	Neg Air	OWA	348	2.59	2.59	2.59	16:27	22:44	377	976.43	9.5	100	12.10	0.005
92114-PCM-84	Outside Pit	OWA	68	4.39	4.39	4.39	16:30	22:45	375	1646.3	4.5	100	5.73	< 0.002

SAMPLE TYPE
 PRS=personal IWA=inside work area NAE=negative air exhaust
 BLK=blank OWA= outside work area CR= clean room
 CL=clearance BGD=background

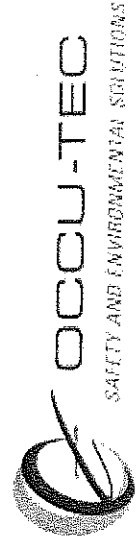
ACTIVITY
 PREP=site prep. BGL0=bag load out
 GLBG=glovebag CLN=clean up
 GREM=gross removal EXC=excursion

RESPIRATOR TYPE
 HM=half mask APR=air purifying resp.
 FF=full face SA=supplied air
 P=powered PD=pressure demand
 SUCR=self contained breathing apparatus.

Analyzed By: [Redacted]

Checked By: [Redacted]

The NIOSH 7400 counting rules A does not distinguish between asbestos and non-asbestos fibers.
 The NIOSH 7400 method assumes the lowest quantitative fiber density is 7 fibers / 100 fields at 95% confidence level. OCCUTECH's limit of detection (LOD) is equal to 7 fibers/100 fields.
 Samples preceded by a % sign are calculated using a count of 7 fibers per 100 fields.
 This report should not be reproduced except in full.
 The estimated intracounter coefficient of variation (CV) for this laboratory is 0.77 (Low Range), 0.27 (Medium Range), 0.17 (High Range).
 Low Range = 5 to 20 Fibers; Medium Range = 20 to 50 Fibers; High Range = 60 to 100 Fibers
 The estimated interlaboratory CV for the quality control program that this laboratory participates in is 0.45.



PCM ANALYSIS OF AIR SAMPLES

4151 N. Mulberry Drive, Suite 275
 KANSAS CITY, MO 64116
 PH: (816) 231-5580
 FAX: (816) 231-5641

OCCU-TEC Project #: 92114
 Sample Date: 9/27/2012
 Analysis Date: 9/28/2012
 Report Date: 10/23/2012
 Rotometer # 412
 Blank Average = 0.5

CLIENT NAME: GSA
 ADDRESS: 1500 Bannister Road
 PROJECT NAME: 3rd Party Project Oversight BLDG 107 Crawl Space

FILTER TYPE: 25mm, 0.8 um MCE ANALYTICAL METHOD: NIOSH 7400

Client Sample ID	Activity/Location	Pump ID	Flow Rate (l/min)			Running Time		Total Minutes	Volume Liters	Fibers	Fields	Fibers/mm2	Fibers/cc
			Start	End	Avg	Start	Stop						
92114-PCM-85	Field Blank									1	100		
92114-PCM-86	Field Blank									0	100		
92114-PCM-87	2nd Floor by Room 214	386	1.25	1.25	1.25	16:30	16:30	1440	1800	9.5	100	11.46	0.002
92114-PCM-88	2nd Floor by Room 224	358	1.25	1.25	1.25	16:31	16:31	1440	1800	9.5	100	11.46	0.002
92114-PCM-89	1st Floor Admin	405	4.39	4.39	4.39	16:37	20:54	257	1128.2	8	100	9.55	0.003
92114-PCM-90	1st Floor GSA Offices	385	4.39	4.39	4.39	16:50	20:55	245	1075.6	3.5	100	3.82	< 0.003
92114-PCM-91	1st Floor North Hallway	388	4.39	4.39	4.39	16:41	20:58	257	1128.2	2	100	1.91	< 0.003
92114-PCM-92	1st Floor South Vestibule	386	4.39	4.39	4.39	16:43	20:59	256	1123.8	4.5	100	5.10	< 0.003
92114-PCM-93	Basement Outside Crawl Space	403	4.39	4.39	4.39	16:45	21:00	255	1119.5	2.5	100	2.55	< 0.003
92114-PCM-94	Basement by Sensors	406	4.39	4.39	4.39	16:46	21:01	255	1119.5	4.5	100	5.10	< 0.003
92114-PCM-95	Neg Air	348	2.59	2.59	2.59	16:48	21:03	255	660.45	1	100	0.64	< 0.005
92114-PCM-96	Outside Pit	68	4.39	4.39	4.39	16:55	21:04	249	1093.1	5.5	100	6.37	< 0.003

SAMPLE TYPE
 PRG=personal IWA=inside work area NAE=negative air exhaust
 BLK=blank OWA= outside work area CR= clean room
 CL=clearance BGD=background

ACTIVITY
 PREP=site prep. BGLO=bag load out
 GLBG=glovebag CLN=clean up
 GREM=gross removal EXC=excursion

RESPIRATOR TYPE
 FM=half mask APR=air purifying resp.
 FF=full face SA=supplied air
 P=powered PD=pressure demand
 S-CAR=seal contained breathing apparatus.

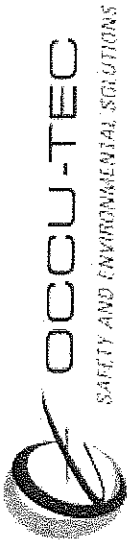
Analyzed By: [Redacted]

Checked By: [Redacted]

The NIOSH 7400 counting rules A does not distinguish between asbestos and non-asbestos fibers.
 The NIOSH 7400 method assumes the lowest quantitative fiber density is 7 fibers / 100 fields at 95% confidence level. OCCU-TEC's limit of detection (LOD) is equal to 7 fibers/100 fields.
 Samples preceded by a < sign are calculated using a count of 7 fibers per 100 fields.
 This report should not be reproduced except in full.
 The estimated intracounter coefficient of variation (CV) for this laboratory is 0.77 (Low Range), 0.27 (Medium Range), 0.17 (High Range).
 Low Range = 5 to 20 Fibers; Medium Range = 20 to 50 Fibers; High Range = 50 to 100 Fibers
 The estimated interlaboratory CV for the quality control program that this laboratory participates in is 0.46.
 fahreinstanformasasbasospermaestab

AHA PAT Lab #: 101266

PCM ANALYSIS OF AIR SAMPLES



4151 N. Mulberry Drive, Suite 275
 KANSAS CITY, MO 64116
 PH: (816) 231-5580
 FAX: (816) 231-5641

OCCU-TEC Project #: 92114
 Sample Date: 9/28/2012
 Analysis Date: 10/1/2012
 Report Date: 10/23/2012
 Rotometer # 412
 Blank Average = 0

CLIENT NAME: GSA
 ADDRESS: 1500 Bannister Road
 PROJECT NAME: 3rd Party Project Oversite BLDG 107 Crawl Space

FILTER TYPE: 25mm, 0.8 um MCE

ANALYTICAL METHOD: NIOSH 7400

Client Sample ID	Activity/Location	Pump ID	Flow Rate (l/min)			Running Time		Total Minutes	Volume Liters	Fibers	Fields	Fibers/mm2	Fibers/cc
			Start	End	Avg	Start	Stop						
92114-PCM-97	Field Blank								0	100			
92114-PCM-98	Field Blank								0	100			
92114-PCM-99	1st Floor Admin	405	4.39	4.39	4.39	17:30	22:45	315	1382.9	6.5	100	8.28	< 0.002
92114-PCM-100	1st Floor GSA Offices	385	4.39	4.39	4.39	17:32	22:46	314	1378.5	8.5	100	10.83	0.003
92114-PCM-101	1st Floor North Hallway	388	4.39	4.39	4.39	17:34	22:48	314	1378.5	4.5	100	5.73	< 0.002
92114-PCM-102	1st Floor South Vestibule	386	4.39	4.39	4.39	17:35	22:51	316	1387.2	2.5	100	3.18	< 0.002
92114-PCM-103	Basement Outside Crawl Space	403	4.39	4.39	4.39	17:38	22:54	316	1387.2	6.5	100	8.28	< 0.002
92114-PCM-104	Basement by Sensors	406	4.39	4.39	4.39	17:39	22:55	316	1387.2	2	100	2.55	< 0.002
92114-PCM-105	Neg Air	348	2.59	2.59	2.59	17:40	22:56	316	818.44	8.5	100	10.83	0.005
92114-PCM-106	Outside Pit	68	4.39	4.39	4.39	17:42	22:52	310	1360.9	5.5	100	7.01	< 0.003
92114-PCM-107	1st Floor Room 110	349	2.59	2.59	2.59	17:44	22:49	305	789.95	0	100		

SAMPLE TYPE
 PRS=personal IWA=inside work area NAE=negative air exhaust
 BLK=blank OWA= outside work area CR= clean room
 CL=clearance BGD=background

ACTIVITY
 PREP=site prep.
 GLBG=glovebag
 GREM=gross removal

BGLO=bag load out
 CLN=clean up
 EXC=excursion

RESPIRATOR TYPE
 HM=half mask APR=air purifying resp.
 FF=full face SA=supplied air
 P=powered PD=pressure demand
 SCSA=seal contained breathing apparatus

Analyzed By: [Redacted]

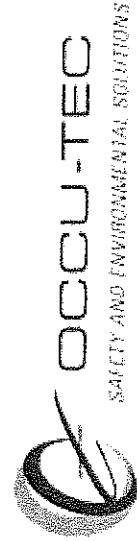
Checked By: [Redacted]

The NIOSH 7400 counting rules A does not distinguish between asbestos and non-asbestos fibers. The NIOSH 7400 method assumes the lowest quantitative fiber density is 7 fibers / 100 fields at 85% confidence level. OCCU-TEC's limit of detection (LOD) is equal to 7 fibers/100 fields. Samples preceded by a * sign are calculated using a count of 7 fibers per 100 fields. This report should not be reproduced except in full.

The estimated intracounter coefficient of variation (CV) for this laboratory is 0.77 (Low Range), 0.27 (Medium Range), 0.17 (High Range).
 Low Range = 5 to 20 Fibers; Medium Range = 20 to 50 Fibers; High Range = 50 to 100 Fibers
 The estimated interlaboratory CV for the quality control program that this laboratory participates in is 0.43.

franshertonforisatibactpcrmmster.xls

AIHA PAT Lab #: 101266



PCM ANALYSIS OF AIR SAMPLES

4151 N. Mulberry Drive, Suite 275
 KANSAS CITY, MO 64116
 PH: (816) 231-5580
 FAX: (816) 231-5641

OCCU-TEC Project #: 92114
 Sample Date: 10/1/2012
 Analysis Date: 10/2/2012
 Report Date: 10/23/2012
 Rotometer # 412
 Blank Average = 0

CLIENT NAME: GSA
 ADDRESS: 1500 Bannister Road
 PROJECT NAME: 3rd Party Project Oversight BLDG 107 Crawl Space

FILTER TYPE: 25mm, 0.8 um MCE ANALYTICAL METHOD: NIOSH 7400

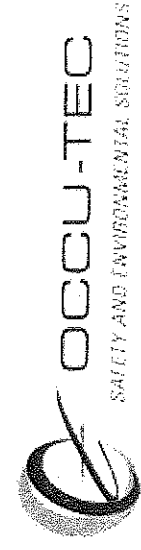
Sample ID	Client	Activity/Location	Sample Type	Pump ID	Flow Rate (l/min)			Running Time		Total Minutes	Volume Liters	Fibers	Fields	Fibers/mm2	Fibers/cc
					Start	End	Avg	Start	Stop						
92114-PCM-108		Field Blank									0	100			
92114-PCM-109		Field Blank									0	100			
92114-PCM-110		1st Floor Admin	OWA	405	4:39	4:39	4:39	16:50	22:42	352	1545.3	3	100	3.82	< 0.002
92114-PCM-111		1st Floor GSA Offices	OWA	385	4:39	4:39	4:39	16:51	22:43	352	1545.3	5	100	6.37	< 0.002
92114-PCM-112		1st Floor North Hallway	OWA	388	4:39	4:39	4:39	16:52	22:44	352	1545.3	2	100	2.55	< 0.002
92114-PCM-113		1st Floor South Vestibule	OWA	386	4:39	4:39	4:39	16:55	22:45	350	1536.5	3	100	3.82	< 0.002
92114-PCM-114		Basement Outside Crawl Space	OWA	403	4:39	4:39	4:39	16:57	22:47	350	1536.5	3	100	3.82	< 0.002
92114-PCM-115		Basement by Sensors	OWA	406	4:39	4:39	4:39	16:58	22:48	350	1536.5	5.5	100	7.01	< 0.002
92114-PCM-116		Neg Air	OWA	348	2:59	2:59	2:59	17:00	22:50	350	906.5	2	100	2.55	< 0.004
92114-PCM-117		Outside Pit	OWA	68	4:39	4:39	4:39	17:03	22:58	355	1558.5	5	100	6.37	< 0.002
92114-PCM-118		1st Floor Room 110	OWA	349	2:59	2:59	2:59	17:10	22:46	336	870.24	8	100	10.19	0.005

SAMPLE TYPE	PRS=personal IWA=inside work area NAE=negative air exhaust BLK=blank OWA= outside work area CR= clean room CL=clearance BGD=background
ACTIVITY	PREP=site prep. BGLB=bag load out GLOB=glovebag CLN=clean up GREM=gross removal EXC=excursion
RESPIRATOR TYPE	HM=half mask APR=air purifying resp. FF=full face SA=supplied air P=powered PD=pressure demand SUBA=air contained breathing apparatus.

Analyzed By: [Redacted] Checked By: [Redacted]

The NIOSH 7400 counting rules A does not distinguish between asbestos and non-asbestos fibers.
 The NIOSH 7400 method assumes the lowest quantitative fiber density is 7 fibers / 100 fields at 95% confidence level. OCCU-TEC's limit of detection (LOD) is equal to 7 fibers/100 fields.
 Samples preceded by a % sign are calculated using a count of 7 fibers per 100 fields.
 This report should not be reproduced except in full.
 The estimated intralaboratory coefficient of variation (CV) for this laboratory is 0.77 (Low Range), 0.27 (Medium Range), 0.17 (High Range).
 Low Range = 5 to 20 Fibers; Medium Range = 20 to 50 Fibers; High Range = 50 to 100 Fibers
 The estimated interlaboratory CV for the quality control program that this laboratory participates in is 0.45.
 fahwa@mateo.com/tecbldg107crawlspc/10/23/12

Client: GSA
 Address: 1500 Bannister Road
 Project: 3rd Party Project Oversight BLDG 107 Crawl Space
 Date: 10/23/2012
 Page: 1 of 1



PCM ANALYSIS OF AIR SAMPLES

4151 N. Mulberry Drive, Suite 275
 KANSAS CITY, MO 64116
 PH: (816) 231-5580
 FAX: (816) 231-5641

OCCU-TEC Project #: 92114
 Sample Date: 10/2/2012
 Analysis Date: 10/3/2012
 Report Date: 10/23/2012
 Rotometer #: 412
 Blank Average = 0

CLIENT NAME: GSA
 ADDRESS: 1500 Bannister Road
 PROJECT NAME: 3rd Party Project Oversite BLDG 107 Crawl Space

FILTER TYPE: 25mm, 0.8 um MCE ANALYTICAL METHOD: NIOSH 7400

Client Sample ID	Activity/Location	Sample Type	Pump ID	Flow Rate (l/min)			Running Time		Total Minutes	Volume Liters	Fibers	Fields	Fibers/mm2	Fibers/cc
				Start	End	Avg	Start	Stop						
92114-PCM-119	Field Blank									0	100			
92114-PCM-120	Field Blank									0	100			
92114-PCM-121	2nd Floor by Room 214	OWA	404	1.25	1.25	1.25	16:36	15:57	1401	1751.3	11.5	100	14.65	0.003
92114-PCM-122	2nd Floor by Room 224	OWA	350	1.25	1.25	1.25	16:37	16:00	1403	1753.8	12.5	100	15.92	0.003
92114-PCM-123	1st Floor Admin	OWA	405	4.39	4.39	4.39	17:00	22:28	328	1439.9	3	100	3.82	< 0.002
92114-PCM-124	1st Floor GSA Offices	OWA	385	4.39	4.39	4.39	17:01	22:29	328	1439.9	6	100	7.64	< 0.002
92114-PCM-125	1st Floor North Hallway	OWA	388	4.39	4.39	4.39	17:02	22:30	328	1439.9	6	100	7.64	< 0.002
92114-PCM-126	1st Floor South Vestibule	OWA	386	4.39	4.39	4.39	17:04	22:31	327	1435.5	6.5	100	8.28	< 0.002
92114-PCM-127	Basement Outside Crawl Space	OWA	403	4.39	4.39	4.39	17:07	22:32	325	1426.8	3	100	3.82	< 0.002
92114-PCM-128	Basement by Sensors	OWA	406	4.39	4.39	4.39	17:08	22:33	325	1426.8	4	100	5.10	< 0.002
92114-PCM-129	Neg Air	OWA	348	2.59	2.59	2.59	17:10	22:34	324	839.16	5	100	6.37	< 0.004
92114-PCM-130	Outside Pit	OWA	68	4.39	4.39	4.39	17:05	22:35	330	1448.7	7	100	8.92	< 0.002

SAMPLE TYPE
 IWA=inside work area NAE=negative air exhaust
 BLK=blank OWA= outside work area CR= clean room
 CL=clearance BGD=background

ACTIVITY
 PREP=site prep. BGLQ=bag load out
 GLBG=glovebag CLN=clean up
 GREM=gross removal EXC=excursion

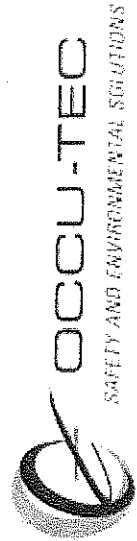
RESPIRATOR TYPE
 HM=half mask APR=air purifying resp.
 FF=full face SA=supplied air
 P=powered PD=pressure demand
 SUB=Self contained breathing apparatus.

Analyzed By: [Redacted]

Checked By: [Redacted]

The NIOSH 7400 counting rules A does not distinguish between asbestos and non-asbestos fibers.
 The NIOSH 7400 method assumes the lowest quantitative fiber density is 7 fibers/100 fields at 95% confidence level. OCCU-TEC's limit of detection (LOD) is equal to 7 fibers/100 fields.
 Samples preceded by a < sign are calculated using a count of 7 fibers per 100 fields.
 This report should not be reproduced except in full.
 The estimated intracounter coefficient of variation (CV) for this laboratory is 0.77 (Low Range), 0.27 (Medium Range, 0.17 (High Range).
 Low Range = 5 to 20 Fibers; Medium Range = 20 to 50 Fibers; High Range = 50 to 100 Fibers
 The estimated interlaboratory CV for the quality control program that this laboratory participates in is 0.45.
 fshah@metforminmetalsbaselab.com

AHA PAT Lab #: 101266



PCM ANALYSIS OF AIR SAMPLES

4151 N. Mulberry Drive, Suite 275
 KANSAS CITY, MO 64116
 PH: (816) 231-5580
 FAX: (816) 231-5641

OCCU-TEC Project #: 92114
 Sample Date: 10/3/2012
 Analysis Date: 10/4/2012
 Report Date: 10/23/2012
 Rotometer # 412
 Blank Average = 0.5

CLIENT NAME: GSA
 ADDRESS: 1500 Bannister Road
 PROJECT NAME: 3rd Party Project Oversight BLDG 107 Crawl Space

FILTER TYPE: 25mm, 0.8 um MCE

ANALYTICAL METHOD: NIOSH 7400

Client Sample ID	Activity/Location	Sample Type	Pump ID	Flow Rate (l/min)			Running Time		Total Minutes	Volume Liters	Fibers	Fields	Fibers/mm2	Fibers/cc
				Start	End	Avg	Start	Stop						
92114-PCM-131	Field Blank									0	100			
92114-PCM-132	Field Blank									1	100			
92114-PCM-133	2nd Floor by Room 214	OWA	356	1.25	1.25	1.25	16:36	15:59	1403	1753.8	4.5	100	5.10	< 0.002
92114-PCM-134	2nd Floor by Room 224	OWA	350	1.25	1.25	1.25	16:37	16:00	1403	1753.8	9.5	100	11.46	0.003
92114-PCM-135	1st Floor Admin	OWA	405	4.39	4.39	4.39	17:00	22:49	349	1532.1	6	100	7.01	< 0.002
92114-PCM-136	1st Floor GSA Offices	OWA	385	4.39	4.39	4.39	17:01	22:51	350	1536.5	5.5	100	6.37	< 0.002
92114-PCM-137	1st Floor North Hallway	OWA	388	4.39	4.39	4.39	17:02	22:55	353	1549.7	7.5	100	8.92	0.002
92114-PCM-138	1st Floor South Vestibule	OWA	386	4.39	4.39	4.39	17:04	22:56	352	1545.3	6	100	7.01	< 0.002
92114-PCM-139	Basement Outside Crawl Space	OWA	403	4.39	4.39	4.39	17:07	22:22	315	1382.9	2	100	1.91	< 0.002
92114-PCM-140	Basement by Sensors	OWA	406	4.39	4.39	4.39	17:08	22:23	315	1382.9	5.5	100	6.37	< 0.002
92114-PCM-141	Neg Air	OWA	348	2.59	2.59	2.59	17:10	22:24	314	813.26	3.5	100	3.82	< 0.004
92114-PCM-142	Outside Pit	OWA	68	4.39	4.39	4.39	17:05	22:50	345	1514.6	8.5	100	10.19	0.003

SAMPLE TYPE
 PR3=personal IWA=inside work area NAE=negative air exhaust
 BLK=blank OWA=outside work area CR=clean room
 CL=clearance BGD=background

ACTIVITY
 PREP=site prep. BGL0=bag load out
 GLBG=glovebag CLN=clean up
 GREM=gross removal EXC=excursion

RESPIRATOR TYPE
 HM=half mask APR=air purifying resp.
 FF=full face SA=supplied air
 P=powered PID=pressure demand
 Sub=seal contained cleaning apparatus.

Analyzed By: [Redacted]

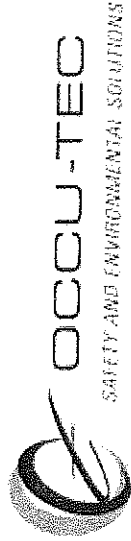
Checked By: [Redacted]

The NIOSH 7400 counting rules A does not distinguish between asbestos and non-asbestos fibers.
 The NIOSH 7400 method assumes the lowest quantitative fiber density is 7 fibers / 100 fields at 95% confidence level. OCCUTECH's limit of detection (LOD) is equal to 7 fibers/100 fields.
 Samples preceded by a < sign are calculated using a count of 7 fibers per 100 fields.

This report should not be reproduced except in full.
 The estimated intracounter coefficient of variation (CV) for this laboratory is 0.77 (Low Range), 0.47 (Medium Range), 0.17 (High Range).
 Low Range = 5 to 20 Fibers; Medium Range = 20 to 50 Fibers; High Range = 50 to 100 Fibers
 The estimated interlaboratory CV for the quality control program that this laboratory participates in is 0.45.

fshe/mster/m/m/astestoc/pcmmaster.24

AHA PAT Lab #: 101266



PCM ANALYSIS OF AIR SAMPLES

4151 N. Mulberry Drive, Suite 275
 KANSAS CITY, MO 64116
 PH: (816) 231-5580
 FAX: (816) 231-5641

OCCU-TEC Project #: 92114
 Sample Date: 10/4/2012
 Analysis Date: 10/5/2012
 Report Date: 10/23/2012
 Rotometer # 412
 Blank Average = 1

CLIENT NAME: GSA
 ADDRESS: 1500 Bannister Road
 PROJECT NAME: 3rd Party Project Oversight BLDG 107 Crawl Space

FILTER TYPE: 25mm, 0.8 um MCE

ANALYTICAL METHOD: NIOSH 7400

Client Sample ID	Activity/Location	Sample Type	Pump ID	Flow Rate (l/min)			Running Time		Total Minutes	Volume Liters	Fibers	Fields	Fibers/mm2	Fibers/cc
				Start	End	Avg	Start	Stop						
92114-PCM-143	Field Blank													
92114-PCM-144	Field Blank													
92114-PCM-145	2nd Floor by Room 214	OWA	356	1:25	1:25	1:25	14:50	*						
92114-PCM-146	2nd Floor by Room 224	OWA	350	1:25	1:25	1:25	14:51	16:16	1615	5	100	5.10	< 0.002	
92114-PCM-147	1st Floor Admin	OWA	405	4:39	4:39	4:39	14:54	22:55	2111.6	1.5	100	0.64	< 0.002	
92114-PCM-148	1st Floor GSA Offices	OWA	385	4:39	4:39	4:39	14:55	22:56	2111.6	1.5	100	0.64	< 0.002	
92114-PCM-149	1st Floor North Hallway	OWA	388	4:39	4:39	4:39	14:57	22:57	2107.2	4.5	100	4.46	< 0.002	
92114-PCM-150	1st Floor South Vestibule	OWA	386	4:39	4:39	4:39	14:58	22:58	2107.2	3	100	2.55	< 0.002	
92114-PCM-151	Basement Outside Crawl Space	OWA	403	4:39	4:39	4:39	15:00	22:59	2102.8	4.5	100	4.46	< 0.002	
92114-PCM-152	Basement by Sensors	OWA	406	4:39	4:39	4:39	15:01	23:00	2102.8	2	100	1.27	< 0.002	
92114-PCM-153	Neg Air	OWA	348	2:59	2:59	2:59	15:03	23:00	1235.4	7.5	100	8.28	0.003	
92114-PCM-154	Outside Pit	OWA	68	4:39	4:39	4:39	15:05	23:02	2094	1	100	0.00	< 0.002	

SAMPLE TYPE

PRS=personal IWA=inside work area NAE=negative air exhaust
 BLK=blank OWA= outside work area CR= clean room
 CL=clearance BGD=background

ACTIVITY

PREP=site prep. BGL=bag load out
 GLEB=glovebag CLN=clean up
 GREM=gross removal EXC=excursion

RESPIRATOR TYPE

HM=half mask APR=air purifying resp.
 FF=full face SA=supplied air
 P=powered PID=pressure demand
 SLCR=seal contained, breathing apparatus.

Analyzed By: [Redacted]

Checked By: [Redacted]

The NIOSH 7400 counting rules A does not distinguish between asbestos and non-asbestos fibers.
 The NIOSH 7400 method assumes the lowest quantitative fiber density is 7 fibers / 100 fields at 95% confidence level. OCCUTECH's limit of detection (LOD) is equal to 7 fibers/100 fields.
 Samples preceded by a < sign are calculated using a count of 7 fibers per 100 fields.

This report should not be reproduced except in full.

The estimated intra-counter coefficient of variation (CV) for this laboratory is 0.77 (Low Range), 0.27 (Medium Range), 0.17 (High Range).

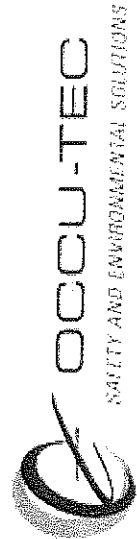
Low Range = 5 to 26 Fibers; Medium Range = 20 to 50 Fibers; High Range = 50 to 100 Fibers

The estimated interlaboratory CV for the quality control program that this laboratory participates in is 0.45.

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AHA PAT Lab #: 101266

* = Pump stopped; aborted sample



PCM ANALYSIS OF AIR SAMPLES

4151 N. Mulberry Drive, Suite 275
 KANSAS CITY, MO 64116
 PH: (816) 231-5580
 FAX: (816) 231-5641

OCCU-TEC Project #: 92114
 Sample Date: 10/5/2012
 Analysis Date: 10/8/2012
 Report Date: 10/23/2012
 Rotometer # 412
 Blank Average = 0

CLIENT NAME: GSA
 ADDRESS: 1500 Bannister Road
 PROJECT NAME: 3rd Party Project Oversight BLDG 107 Crawl Space

FILTER TYPE: 25mm, 0.8 um MCE

ANALYTICAL METHOD: NIOSH 7400

Client	Sample ID	Activity/ Location	Pump ID	Flow Rate (l/min)			Running Time		Total Minutes	Volume Liters	Fibers	Fields	Fibers/mm2	Fibers/cc
				Start	End	Avg	Start	Stop						
	92114-PCM-155	Field Blank								0	100			
	92114-PCM-156	Field Blank								0	100			
	92114-PCM-157	1st Floor Admin	405	4:39	4:39	4:39	16:23	22:25	1589.2	3	100	3.82	< 0.002	
	92114-PCM-158	1st Floor GSA Offices	385	4:39	4:39	4:39	16:24	22:26	1589.2	12.5	100	15.92	0.004	
	92114-PCM-159	1st Floor North Hallway	388	4:39	4:39	4:39	16:26	22:27	1584.8	3	100	3.82	< 0.002	
	92114-PCM-160	1st Floor South Vestibule	386	4:39	4:39	4:39	16:28	22:32	1598	11	100	14.01	0.003	
	92114-PCM-161	Basement Outside Crawl Space	403	4:39	4:39	4:39	16:30	22:33	1593.6	5	100	6.37	< 0.002	
	92114-PCM-162	Basement by Sensors	406	4:39	4:39	4:39	16:31	22:35	1598	8	100	10.19	0.002	
	92114-PCM-163	Neg Air	348	2:59	2:59	2:59	16:32	22:34	937.58	6.5	100	8.28	< 0.004	
	92114-PCM-164	Outside Pit	68	4:39	4:39	4:39	16:39	22:45	1606.7	13	100	16.56	0.004	
	92114-PCM-165	1st Floor Room 111	350	2:59	2:59	2:59	16:44	22:29	893.55	8.5	100	10.83	0.005	
	92114-PCM-166	1st Floor Room 114	349	2:59	2:59	2:59	16:44	22:28	890.96	1	100	1.27	< 0.004	

ACTIVITY

PREP=site prep.
 GLBG=glovebag
 GREM=gross removal
 BGLO=bag load out
 CLN=clean up
 EXC=excursion

RESPIRATOR TYPE

HM=half mask
 FF=full face
 P=powered
 PUSA=air contained
 APR=air purifying resp.
 SA=supplied air
 PD=pressure demand
 CREATING=creating apparatus

SAMPLE TYPE

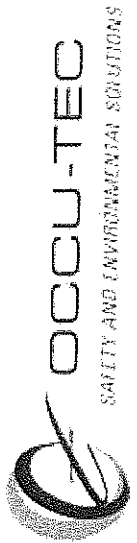
PRS=personal
 BLK=blank
 CL=clearance
 IWA=inside work area
 OWA=outside work area
 BGD=background
 NAE=negative air exhaust
 CR=clean room

Analyzed By: _____

Checked By: _____

The NIOSH 7400 counting rules A does not distinguish between asbestos and non-asbestos fibers.
 The NIOSH 7400 method assumes the lowest quantitative fiber density is 7 fibers / 100 fields at 95% confidence level. OCCUTEK's limit of detection (LOD) is equal to 7 fibers/100 fields.
 Samples proceeded by a sign are calculated using a count of 7 fibers per 100 fields.
 This report should not be reproduced except in full.
 The estimated intralaboratory coefficient of variation (CV) for this laboratory is 0.77 (Low Range), 0.27 (Medium Range, 0.17 (High Range).
 Low Range = 8 to 20 Fibers; Medium Range = 23 to 50 Fibers; High Range = 50 to 100 Fibers
 The estimated interlaboratory CV for the quality control program that this laboratory participates in is 0.43.
 f:\home\master\form\lab\test\pcmmester.xls

AHMA PAT Lab #: 101286



PCM ANALYSIS OF AIR SAMPLES

4151 N. Mulberry Drive, Suite 275
KANSAS CITY, MO 64116
PH: (816) 231-5580
FAX: (816) 231-5641

OCCU-TEC Project #: 92114
Sample Date: 10/8/2012
Analysis Date: 10/9/2012
Report Date: 10/23/2012
Rotometer # 412
Blank Average = 0

CLIENT NAME: GSA
ADDRESS: 1500 Bannister Road
PROJECT NAME: 3rd Party Project Oversight BLDG 107 Crawl Space

FILTER TYPE: 25mm, 0.8 um MCE ANALYTICAL METHOD: NIOSH 7400

Client Sample ID	Activity/Location	Pump ID	Flow Rate (l/min)		Running Time		Total Minutes	Volume Liters	Fibers	Fields	Fibers/mm2	Fibers/cc
			Start	End	Start	Step						
92114-PCM-167	Field Blank								0	100		
92114-PCM-168	Field Blank								0	100		
92114-PCM-169	1st Floor Admin	405	4.39	4.39	7:05	14:00	415	1821.9	7.5	100	9.55	0.002
92114-PCM-170	1st Floor GSA Offices	385	4.39	4.39	7:06	14:01	415	1821.9	5	100	6.37	< 0.002
92114-PCM-171	1st Floor North Hallway	388	4.39	4.39	7:08	14:02	414	1817.5	2	100	2.55	< 0.002
92114-PCM-172	1st Floor South Vestibule	386	4.39	4.39	7:09	14:05	416	1826.2	3.5	100	4.46	< 0.002
92114-PCM-173	Basement Outside Crawl Space	403	4.39	4.39	7:09	14:03	414	1817.5	3	100	3.82	< 0.002
92114-PCM-174	Basement by Sensors	406	4.39	4.39	7:12	14:06	414	1817.5	10	100	12.74	0.003
92114-PCM-175	1st Floor Room 111	350	2.59	2.59	7:15	14:09	414	1072.3	0	100		
92114-PCM-176	1st Floor Room 114	349	2.59	2.59	7:17	14:10	413	1069.7	8	100	10.19	0.004

SAMPLE TYPE: IWA=inside work area MAE=negative air exhaust
BLK=blank OWA= outside work area CR= clean room
CL=clearance BGD=background

ACTIVITY: BGL=bag load out
PREP=slip prep. CLN=clean up
GLOB=glovebag EXC=excursion
GEM=gross removal

RESPIRATOR TYPE: HM=half mask APR=air purifying resp.
FF=full face SA=supplied air
P=powered PD=pressure demand
SUS=sustained contained breathing apparatus

Analyzed By: [Redacted]

Checked By: [Redacted]

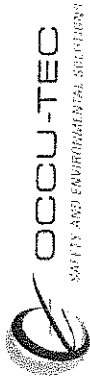
The NIOSH 7400 counting rules A does not distinguish between asbestos and non-asbestos fibers.
The NIOSH 7400 method assumes the lowest quantitative fiber density is 7 fibers / 100 fields at 85% confidence level. OCCU-TEC's limit of detection (LOD) is equal to 7 fibers/100 fields.
Samples preceded by a "-" sign are calculated using a count of 7 fibers per 100 fields.
This report should not be reproduced except in full.
The estimated intralaboratory coefficient of variation (CV) for this laboratory is 0.77 (Low Range), 0.27 (Medium Range), 0.17 (High Range).
Low Range = 5 to 20 Fibers; Medium Range = 20 to 50 Fibers; High Range = 50 to 100 Fibers
The estimated interlaboratory CV for the quality control program that this laboratory participates in is 0.45.

AHA PAT Lab #: 101266

tsahemestatorimhahesahetopcmrmar.ah

Appendix D

Asbestos Clearance Reports (TEM)



TEM ANALYSIS OF AIR SAMPLES

4151 North Mulberry Drive, Suite 275
 Kansas City, Missouri 64116
 (816) 231-5580
 Toll Free: (800) 950-1953
 Fax: (816) 231-5641

CLIENT NAME: GSA
 ADDRESS: 1500 E. Bannister
 PROJECT NAME: GSA 3rd Party Air Monitoring and Oversight

OCCU-TEC Project # : 92114
 Sample Date: 10/9/2012
 Analysis Date: 10/10/2012
 Report Date: 10/23/2012
 Rotometer # 412

FILTER TYPE: 25mm, 0.45 um

Client Sample ID	Activity/Location	Sample Type	Pump ID	Flow Rate (l/min)			Running Time		Total Minutes	Volume Liters	# Asbestos Structures	Asbestos Structures/mm ²	Concentration Structures/cc
				Start	End	Avg	Start	Stop					
92114-014	Field Blank	BLK											
92114-015	Inside Blank	BLK											
92114-016	Outside Blank	BLK											
92114-017	Northeast of Crawl Space	CL	385	6.93	6.93	6.93	10:10	14:30	270	1871.1	None Detected	<22	<0.0046
92114-018	Northeast of Crawl Space	CL	404	6.93	6.93	6.93	10:11	14:42	271	1878	None Detected	<22	<0.0046
92114-019	Center of Crawl Space	CL	399	6.93	6.93	6.93	10:12	14:44	272	1885	None Detected	<22	<0.0045
92114-020	Southeast of Crawl Space	CL	405	6.93	6.93	6.93	10:14	14:46	272	1885	None Detected	<22	<0.0045
92114-021	Southeast of Crawl Space	CL	388	6.93	6.93	6.93	10:15	14:48	273	1891.9	None Detected	<22	<0.0045
92114-022	1st FL South Vestibule	CL	386	6.93	6.93	6.93	10:22	15:14	292	2023.6	None Detected	<22	<0.0042
92114-023	Basement OWA Crawl Space	CL	403	6.93	6.93	6.93	10:24	15:10	286	1982	None Detected	<22	<0.0043
92114-024	Basement by Sensors	CL	406	6.93	6.93	6.93	10:25	15:12	287	1988.9	None Detected	<22	<0.0043

SAMPLE TYPE

PRS=personal
 BLK=blank
 ICL=inside clearance
 BGD=background
 IWA=inside work area
 OWA= outside work area
 OCL=outside clearance
 NAE=negative air exhaust

ACTIVITY

PREP=site prep.
 GLEG=glovebag
 GREM=gross removal
 BGL=bag load out
 CLN=clean up
 EXC=excursion

RESPIRATOR TYPE

HM=half mask
 FF=full face
 P=powered
 SCBA=self contained breathing apparatus
 APR=air purifying resp.
 SA=supplied air
 PD=pressure demand

Sampled By: Pat Garcia

Appendix E

Laboratory Reports (TEM)



September 25, 2012

Jeff Smith
OCCU-TEC INC.
6501 E. Commerce
Suite 230
Kansas City, MO 64120-

Bureau Veritas Work Order No. A1209155

Reference: 92114-BLDG 107 CRAWL SPACE

Dear Jeff Smith:

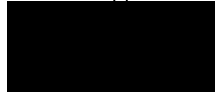
Bureau Veritas North America, Inc. received 10 samples on September 19, 2012 for the analyses presented in the following report.

The results apply only to the samples analyzed in this project. Please note that any unused portion of the samples will be discarded after a sixty-day holding period, unless you have requested otherwise.

This material is confidential and is intended solely for the person to whom it is addressed. If this is received in error, please contact the number provided below.

We appreciate the opportunity to assist you. If you have any questions concerning the report, please contact the analyst whose name appears on the report or myself at (770) 499-7701.

Sincerely,



Jon Perrenoud

Senior Microscopist

Electronic signature authorized through password protection

Bureau Veritas North America, Inc.

Health, Safety, and Environmental Services
3380 Chastain Meadows Parkway, Suite 300
Kennesaw, GA 30144

Main: (770) 499-7701

Fax: (770) 499-7511

www.us.bureauveritas.com



CASE NARRATIVE

Date: 25-Sep-12

CLIENT: OCCU-TEC INC.
Project: 92114-BLDG 107 CRAWL SPACE
Work Order No A1209155

ANALYTICAL METHOD FOR AIRBORNE ASBESTOS FIBERS USING TRANSMISSION ELECTRON MICROSCOPY (TEM) BY THE AHERA METHOD

The results of this report relate only to the samples listed in the body of this report.

Unless otherwise noted below, the following statements apply: 1) all samples were received in acceptable condition, 2) all quality control results associated with this sample set were within acceptable limits and/or do not adversely affect the reported results and 3) the industrial hygiene results have not been blank corrected.

Upon receipt in the laboratory, filters are transferred to a glass slide with a drop of dimethyl formamide/acetic acid clearing solution. After clearing, samples are partially ashed in a plasma asher. The filters are then carbon coated in a vacuum evaporator. Portions of the cleared/ashed/coated filters are excised and placed on 200-mesh copper TEM grids in a wick-type solutional washer containing 100% acetone.

Two grids are placed consecutively in the TEM for examination. An equal number of openings are examined on each grid at 15,000X magnification. Asbestos structures containing fibers which meet a >5:1 length:width aspect ratio and a minimum length of 0.5 micrometers are identified using morphology, selected area electron diffraction, and energy-dispersive x-ray spectroscopy. Fibers are classified by structure type, are sized (length and width), and are identified as chrysotile, amphibole, ambiguous, or non-asbestos. Results are reported as total asbestos structures per square millimeter of filter and asbestos structures per cubic centimeter of air (asbestos structures/cc). The Kennesaw, Georgia laboratory is accredited by NVLAP -Lab Code 101125-0.

For clearance of a work area in schools (k-12) the requirement is that the average of the results of the five inside samples is <70 str/mm² assuming an analytical sensitivity of <0.005 structures/cubic centimeter.

The test report shall not be reproduced, except in full, without written approval of the laboratory. In addition, the report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.

References



CLIENT: OCCU-TEC INC.

Project: 92114-BLDG 107 CRAWL SPACE

Work Order No A1209155

USEPA. 1987. Asbestos Hazard Emergency Response Act. Appendix A to 40 CFR 763, Subpart E.
Washington: GPO. (AHERA protocol).



ANALYTICAL RESULTS

Client: OCCU-TEC INC.

Client Reference No.: 92114-BLDG 107 CRAWL SPACE

Work Order No.: A1209155

Date: 25-Sep-12

Analytical Method: TEM AHERA
Sample Type: Air

Date Received: 9/19/2012 10:49:00 AM
Report Date: 9/25/2012 4:12:51 PM
Grid Opening Size: 0.0112mm²

Lab Sample No.	Client Sample ID	Reporting Limit (s/mm ²)	Total Asbestos (s/mm ²)	Structures Counted			Total Asbestos				95 % Confidence Limit	
				Chrysotile	Amphibole	Total	Chrysotile (s/cc)	Amphibole (s/cc)	Total (s/cc)	Sensitivity (s/cc)	Low	High
A1209155-001A	004	18	< 18	0	0	0	< 0.0044	< 0.0044	< 0.0044	0.0044	0	< 0.019
A1209155-002A	005	18	< 18	0	0	0	< 0.0044	< 0.0044	< 0.0044	0.0044	0	< 0.019
A1209155-003A	006	18	< 18	0	0	0	< 0.0045	< 0.0045	< 0.0045	0.0045	0	< 0.020
A1209155-004A	007	22	< 22	0	0	0	< 0.0050	< 0.0050	< 0.0050	0.0050	0	< 0.022
A1209155-005A	008	18	< 18	0	0	0	< 0.0047	< 0.0047	< 0.0047	0.0047	0	< 0.021
A1209155-006A	009	18	< 18	0	0	0	< 0.0047	< 0.0047	< 0.0047	0.0047	0	< 0.021

MCEF: Mixed Cellulose Ester Filter
s/mm²: Structures per square millimeter
"--" : No Results (Air Volume is 0)

s/cc: Structures per cubic centimeter of air collected.
<: Result is less than the indicated limit of detection.

- Note 1: AHERA Structures counted contain fibers which met a $\geq 5:1$ (length:width) aspect ratio and were $\geq 0.5\mu\text{m}$ in length.
Note 2: AHERA sampling criteria requires that >1200 liters of air be collected on $0.45\mu\text{m}$ filters. Deviation from these requirements
Note 3: Yamate Level II Structures counted contain fibers which meet a $\geq 3:1$ (length:width) aspect ratio.



ANALYTICAL RESULTS

Client: OCCU-TEC INC.

Client Reference No.: 92114-BLDG 107 CRAWL SPACE

Work Order No.: A1209155

Date: 25-Sep-12

Analytical Method: TEM AHERA

Sample Type: Air

Date Received: 9/19/2012 10:49:00 AM

Report Date: 9/25/2012 4:12:51 PM

Grid Opening Size: 0.0112 mm²

Lab Sample No.	Client Sample ID	Reporting Limit (s/mm ²)	Total Asbestos (s/mm ²)	Structures Counted			Total Asbestos				95 % Confidence Limit	
				Chrysotile	Amphibole	Total	Chrysotile (s/cc)	Amphibole (s/cc)	Total (s/cc)	Sensitivity (s/cc)	Low	High
A1209155-007A	010	18	< 18	0	0	0	< 0.0049	< 0.0049	< 0.0049	0.0049	0	< 0.022
A1209155-008A	011	18	< 18	0	0	0	< 0.0049	< 0.0049	< 0.0049	0.0049	0	< 0.022
A1209155-009A	012	15	< 15	0	0	0	< 0.0044	< 0.0044	< 0.0044	0.0044	0	< 0.019
A1209155-010A	013	18	< 18	0	0	0	< 0.0045	< 0.0045	< 0.0045	0.0045	0	< 0.020

MCEF: Mixed Cellulose Ester Filter
 s/mm²: Structures per square millimeter
 "--" : No Results (Air Volume is 0)

s/cc: Structures per cubic centimeter of air collected.
 <: Result is less than the indicated limit of detection.

Note 1: AHERA Structures counted contain fibers which met a $\geq 5:1$ (length:width) aspect ratio and were $\geq 0.5\mu\text{m}$ in length.
 Note 2: AHERA sampling criteria requires that >1200 liters of air be collected on 0.45 μm filters. Deviation from these requirements
 Note 3: Yamate Level II Structures counted contain fibers which meet a $\geq 3:1$ (length:width) aspect ratio.

Analyst(s) Name/Date:



9/25/2012



ANALYTICAL RESULTS

Client: OCCU-TEC INC.

Client Reference No.: 92114-BLDG 107 CRAWL SPACE

Work Order No.: A1209155

Date: 25-Sep-12

Analytical Method: TEM AHERA

Filtration Filter: MCE Filter, .45um

Sample Type: Air

Effective Filter Area: 385 mm²

Date Received: 9/19/2012 10:49:00 AM

Grid Opening Size: 0.0112 mm²

Report Date: 9/25/2012 4:12:51 PM

Lab Sample No.	Client Sample Identification	Date Sampled	Prep Date	Air Vol. (L)	Dilution Factor	Analysis Date	Analyst	Grid Box Identification
A1209155-001A	004	09/17/12 @12:00 am	09/20/12 @9:14 am	1559	1	09/25/12 @1:52 pm	NG	09-20-12A-1

Analysis	Grid Openings Counted	Reporting Limit (s/mm ²)	Total Asbestos (s/mm ²)	Structures Counted			Total Asbestos				95 % Confidence Limit	
				Chry-sotile	Amph-ibole	Total	Chrysotile (s/cc)	Amphibole (s/cc)	Total (s/cc)	Sensitivity (s/cc)	Low	High
Asbestos	5	18	< 18	0	0	0	< 0.0044	< 0.0044	< 0.0044	0.0044	0	< 0.019

TEM Count Details

Rec	Grid	Grid Opening ID	Count	Length (um)	Width (um)	Structure ID	Structure Type	EDS	Mass (ng)
1	A1	C4A	0	0.00	0.00	None Detected			0
2	A1	C4C	0	0.00	0.00	None Detected			0
3	A1	E4A	0	0.00	0.00	None Detected			0
4	A2	C4A	0	0.00	0.00	None Detected			0
5	A2	C4C	0	0.00	0.00	None Detected			0

Total Fibers: 0

Total Mass: 0

TEM Microscope Documentation

Instrument	*Magnification	Accelerating	
		Voltage	Calibration Date
TEM 2/D686	14992x	100 KeV	9/4/2012

*Magnification = Calibrated screen magnification at 15,000X. For ISO Method 10312 the calibrated screen magnification is at 20,000X



ANALYTICAL RESULTS

Client: OCCU-TEC INC.

Client Reference No.: 92114-BLDG 107 CRAWL SPACE

Work Order No.: A1209155

Date: 25-Sep-12

Analytical Method: TEM AHERA

Filtration Filter: MCE Filter, .45um

Sample Type: Air

Effective Filter Area: 385 mm²

Date Received: 9/19/2012 10:49:00 AM

Grid Opening Size: 0.0112 mm²

Report Date: 9/25/2012 4:12:51 PM

Lab Sample No.	Client Sample Identification	Date Sampled	Prep Date	Air Vol. (L)	Dilution Factor	Analysis Date	Analyst	Grid Box Identification
A1209155-002A	005	09/17/12 @12:00 am	09/20/12 @9:14 am	1559	1	09/25/12 @1:52 pm	NG	09-20-12A-1

Analysis	Grid Openings Counted	Reporting Limit (s/mm ²)	Total Asbestos (s/mm ²)	Structures Counted			Total Asbestos				95 % Confidence Limit	
				Chry-sotile	Amph-ibole	Total	Chrysotile (s/cc)	Amphibole (s/cc)	Total (s/cc)	Sensitivity (s/cc)	Low	High
Asbestos	5	18	< 18	0	0	0	< 0.0044	< 0.0044	< 0.0044	0.0044	0	< 0.019

TEM Count Details

Rec	Grid	Grid Opening ID	Count	Length (um)	Width (um)	Structure ID	Structure Type	EDS	Mass (ng)
1	B1	C4A	0	0.00	0.00	None Detected			0
2	B1	C4C	0	0.00	0.00	None Detected			0
3	B1	E4A	0	0.00	0.00	None Detected			0
4	B2	C4A	0	0.00	0.00	None Detected			0
5	B2	C4C	0	0.00	0.00	None Detected			0

Total Fibers: 0

Total Mass: 0

TEM Microscope Documentation

Instrument	*Magnification	Accelerating Voltage		Calibration Date
		Voltage	Calibration Date	
TEM 2/D686	14992x	100 KeV	9/4/2012	

*Magnification = Calibrated screen magnification at 15,000X. For ISO Method 10312 the calibrated screen magnification is at 20,000X



ANALYTICAL RESULTS

Client: OCCU-TEC INC.

Client Reference No.: 92114-BLDG 107 CRAWL SPACE

Work Order No.: A1209155

Date: 25-Sep-12

Analytical Method: TEM AHERA

Filtration Filter: MCE Filter, .45um

Sample Type: Air

Effective Filter Area: 385mm²

Date Received: 9/19/2012 10:49:00 AM

Grid Opening Size: 0.0112mm²

Report Date: 9/25/2012 4:12:51 PM

Lab Sample No.	Client Sample Identification	Date Sampled	Prep Date	Air Vol. (L)	Dilution Factor	Analysis Date	Analyst	Grid Box Identification
A1209155-003A	006	09/17/12 @12:00 am	09/20/12 @9:14 am	1539	1	09/25/12 @1:52 pm	NG	09-20-12A-1

Analysis	Grid Openings Counted	Reporting Limit (s/mm ²)	Total Asbestos (s/mm ²)	Structures Counted			Total Asbestos			95 % Confidence Limit		
				Chry-sotile	Amph-ibole	Total	Chrysotile (s/cc)	Amphibole (s/cc)	Total (s/cc)	Sensitivity (s/cc)	Low	High
Asbestos	5	18	< 18	0	0	0	< 0.0045	< 0.0045	< 0.0045	0.0045	0	< 0.020

TEM Count Details

Rec	Grid	Grid Opening ID	Count	Length (um)	Width (um)	Structure ID	Structure Type	EDS	Mass (ng)	
1	C1	C4A	0	0.00	0.00	None Detected			0	
2	C1	C4C	0	0.00	0.00	None Detected			0	
3	C1	E4A	0	0.00	0.00	None Detected			0	
4	C2	C4A	0	0.00	0.00	None Detected			0	
5	C2	C4C	0	0.00	0.00	None Detected			0	
Total Fibers:			0						Total Mass:	0

TEM Microscope Documentation

Instrument	*Magnification	Accelerating	
		Voltage	Calibration Date
TEM 2/D686	14992x	100 KeV	9/4/2012

*Magnification = Calibrated screen magnification at 15,000X. For ISO Method 10312 the calibrated screen magnification is at 20,000X



ANALYTICAL RESULTS

Client: OCCU-TEC INC.

Client Reference No.: 92114-BLDG 107 CRAWL SPACE

Work Order No.: A1209155

Date: 25-Sep-12

Analytical Method: TEM AHERA

Filtration Filter: MCE Filter, .45um

Sample Type: Air

Effective Filter Area: 385 mm²

Date Received: 9/19/2012 10:49:00 AM

Grid Opening Size: 0.0112 mm²

Report Date: 9/25/2012 4:12:51 PM

Lab Sample No.	Client Sample Identification	Date Sampled	Prep Date	Air Vol. (L)	Dilution Factor	Analysis Date	Analyst	Grid Box Identification
A1209155-004A	007	09/17/12 @12:00 am	09/20/12 @9:14 am	1719	1	09/25/12 @1:52 pm	NG	09-20-12A-1

Analysis	Grid Openings Counted	Reporting Limit (s/mm ²)	Total Asbestos (s/mm ²)	Structures Counted			Total Asbestos				95 % Confidence Limit	
				Chrysotile	Amphibole	Total	Chrysotile (s/cc)	Amphibole (s/cc)	Total (s/cc)	Sensitivity (s/cc)	Low	High
Asbestos	4	22	< 22	0	0	0	< 0.0050	< 0.0050	< 0.0050	0.0050	0	< 0.022

TEM Count Details

Rec	Grid	Grid Opening ID	Count	Length (um)	Width (um)	Structure ID	Structure Type	EDS	Mass (ng)	
1	D1	C4A	0	0.00	0.00	None Detected			0	
2	D1	C4C	0	0.00	0.00	None Detected			0	
3	D2	C4A	0	0.00	0.00	None Detected			0	
4	D2	C4C	0	0.00	0.00	None Detected			0	
Total Fibers:			0						Total Mass:	0

TEM Microscope Documentation

Accelerating

Instrument	*Magnification	Voltage	Calibration Date
TEM 2/D686	14992x	100 KeV	9/4/2012

*Magnification = Calibrated screen magnification at 15,000X. For ISO Method 10312 the calibrated screen magnification is at 20,000X



ANALYTICAL RESULTS

Client: OCCU-TEC INC.

Client Reference No.: 92114-BLDG 107 CRAWL SPACE

Work Order No.: A1209155

Date: 25-Sep-12

Analytical Method: TEM AHERA

Filtration Filter: MCE Filter, .45um

Sample Type: Air

Effective Filter Area: 385 mm²

Date Received: 9/19/2012 10:49:00 AM

Grid Opening Size: 0.0112 mm²

Report Date: 9/25/2012 4:12:51 PM

Lab Sample No.	Client Sample Identification	Date Sampled	Prep Date	Air Vol. (L)	Dilution Factor	Analysis Date	Analyst	Grid Box Identification
A1209155-005A	008	09/17/12 @12:00 am	09/20/12 @9:14 am	1450	1	09/25/12 @1:52 pm	NG	09-20-12A-1

Analysis	Grid Openings Counted	Reporting Limit (s/mm ²)	Total Asbestos (s/mm ²)	Structures Counted			Total Asbestos				95 % Confidence Limit	
				Chrysotile	Amphibole	Total	Chrysotile (s/cc)	Amphibole (s/cc)	Total (s/cc)	Sensitivity (s/cc)	Low	High
Asbestos	5	18	< 18	0	0	0	< 0.0047	< 0.0047	< 0.0047	0.0047	0	< 0.021

TEM Count Details

Rec	Grid	Grid Opening ID	Count	Length (um)	Width (um)	Structure ID	Structure Type	EDS	Mass (ng)	
1	E1	C4A	0	0.00	0.00	None Detected			0	
2	E1	C4C	0	0.00	0.00	None Detected			0	
3	E2	C4A	0	0.00	0.00	None Detected			0	
4	E2	C4C	0	0.00	0.00	None Detected			0	
5	E2	E4A	0	0.00	0.00	None Detected			0	
Total Fibers:			0						Total Mass:	0

TEM Microscope Documentation

Instrument	*Magnification	Accelerating Voltage		Calibration Date
		Voltage	Calibration Date	
TEM 2/D686	14992x	100 KeV	9/4/2012	

*Magnification = Calibrated screen magnification at 15,000X. For ISO Method 10312 the calibrated screen magnification is at 20,000X



ANALYTICAL RESULTS

Client: OCCU-TEC INC.

Client Reference No.: 92114-BLDG 107 CRAWL SPACE

Work Order No.: A1209155

Date: 25-Sep-12

Analytical Method: TEM AHERA

Filtration Filter: MCE Filter, .45um

Sample Type: Air

Effective Filter Area: 385mm²

Date Received: 9/19/2012 10:49:00 AM

Grid Opening Size: 0.0112mm²

Report Date: 9/25/2012 4:12:51 PM

Lab Sample No.	Client Sample Identification	Date Sampled	Prep Date	Air Vol. (L)	Dilution Factor	Analysis Date	Analyst	Grid Box Identification
A1209155-006A	009	09/17/12 @12:00 am	09/20/12 @9:14 am	1450	1	09/25/12 @1:52 pm	NG	09-20-12A-1

Analysis	Grid Openings Counted	Reporting Limit (s/mm ²)	Total Asbestos (s/mm ²)	Structures Counted			Total Asbestos				95 % Confidence Limit	
				Chrysotile	Amphibole	Total	Chrysotile (s/cc)	Amphibole (s/cc)	Total (s/cc)	Sensitivity (s/cc)	Low	High
Asbestos	5	18	< 18	0	0	0	< 0.0047	< 0.0047	< 0.0047	0.0047	0	< 0.021

TEM Count Details

Rec	Grid	Grid Opening ID	Count	Length (um)	Width (um)	Structure ID	Structure Type	EDS	Mass (ng)
1	A6	C4A	0	0.00	0.00	None Detected			0
2	A6	C4C	0	0.00	0.00	None Detected			0
3	A6	E4A	0	0.00	0.00	None Detected			0
4	A7	C4A	0	0.00	0.00	None Detected			0
5	A7	C4C	0	0.00	0.00	None Detected			0
Total Fibers:			0					Total Mass:	0

TEM Microscope Documentation

Instrument	*Magnification	Accelerating	
		Voltage	Calibration Date
TEM 2/D686	14992x	100 KeV	9/4/2012

*Magnification = Calibrated screen magnification at 15,000X. For ISO Method 10312 the calibrated screen magnification is at 20,000X



ANALYTICAL RESULTS

Client: OCCU-TEC INC.

Client Reference No.: 92114-BLDG 107 CRAWL SPACE

Work Order No.: A1209155

Date: 25-Sep-12

Analytical Method: TEM AHERA

Filtration Filter: MCE Filter, .45um

Sample Type: Air

Effective Filter Area: 385 mm²

Date Received: 9/19/2012 10:49:00 AM

Grid Opening Size: 0.0112 mm²

Report Date: 9/25/2012 4:12:51 PM

Lab Sample No.	Client Sample Identification	Date Sampled	Prep Date	Air Vol. (L)	Dilution Factor	Analysis Date	Analyst	Grid Box Identification
A1209155-007A	010	09/17/12 @12:00 am	09/20/12 @9:14 am	1386	1	09/25/12 @1:52 pm	NG	09-20-12A-1

Analysis	Grid Openings Counted	Reporting Limit (s/tmm ²)	Total Asbestos (s/mm ²)	Structures Counted			Total Asbestos			95 % Confidence Limit		
				Chrysotile	Amphibole	Total	Chrysotile (s/cc)	Amphibole (s/cc)	Total (s/cc)	Sensitivity (s/cc)	Low	High
Asbestos	5	18	< 18	0	0	0	< 0.0049	< 0.0049	< 0.0049	0.0049	0	< 0.022

TEM Count Details

Rec	Grid	Grid Opening ID	Count	Length (um)	Width (um)	Structure ID	Structure Type	EDS	Mass (ng)	
1	B6	C4A	0	0.00	0.00	None Detected			0	
2	B6	C4C	0	0.00	0.00	None Detected			0	
3	B6	E4A	0	0.00	0.00	None Detected			0	
4	B7	C4A	0	0.00	0.00	None Detected			0	
5	B7	C4C	0	0.00	0.00	None Detected			0	
Total Fibers:			0						Total Mass:	0

TEM Microscope Documentation

Instrument	*Magnification	Accelerating Voltage	
		Voltage	Calibration Date
TEM 2/D686	14992x	100 KeV	9/4/2012

*Magnification = Calibrated screen magnification at 15,000X. For ISO Method 10312 the calibrated screen magnification is at 20,000X



ANALYTICAL RESULTS

Client: OCCU-TEC INC.

Client Reference No.: 92114-BLDG 107 CRAWL SPACE

Work Order No.: A1209155

Date: 25-Sep-12

Analytical Method: TEM AHERA

Filtration Filter: MCE Filter, .45um

Sample Type: Air

Effective Filter Area: 385 mm²

Date Received: 9/19/2012 10:49:00 AM

Grid Opening Size: 0.0112 mm²

Report Date: 9/25/2012 4:12:51 PM

Lab Sample No.	Client Sample Identification	Date Sampled	Prep Date	Air Vol. (L)	Dilution Factor	Analysis Date	Analyst	Grid Box Identification
A1209155-008A	011	09/17/12 @12:00 am	09/20/12 @9:14 am	1386	1	09/25/12 @1:52 pm	NG	09-20-12A-1

Analysis	Grid Openings Counted	Reporting Limit (s/mm ²)	Total Asbestos (s/mm ²)	Structures Counted			Total Asbestos				95 % Confidence Limit	
				Chrysotile	Amphibole	Total	Chrysotile (s/cc)	Amphibole (s/cc)	Total (s/cc)	Sensitivity (s/cc)	Low	High
Asbestos	5	18	<18	0	0	0	<0.0049	<0.0049	<0.0049	0.0049	0	<0.022

TEM Count Details

Rec	Grid	Grid Opening ID	Count	Length (um)	Width (um)	Structure ID	Structure Type	EDS	Mass (ng)
1	C6	C4A	0	0.00	0.00	None Detected			0
2	C6	C4C	0	0.00	0.00	None Detected			0
3	C6	E4A	0	0.00	0.00	None Detected			0
4	C7	C4A	0	0.00	0.00	None Detected			0
5	C7	C4C	0	0.00	0.00	None Detected			0

Total Fibers: 0

Total Mass: 0

TEM Microscope Documentation

Instrument	*Magnification	Accelerating	
		Voltage	Calibration Date
TEM 2/D686	14992x	100 KeV	9/4/2012

*Magnification = Calibrated screen magnification at 15,000X. For ISO Method 10312 the calibrated screen magnification is at 20,000X



ANALYTICAL RESULTS

Client: OCCU-TEC INC.

Client Reference No.: 92114-BLDG 107 CRAWL SPACE

Work Order No.: A1209155

Date: 25-Sep-12

Analytical Method: TEM AHERA

Filtration Filter: MCE Filter, .45um

Sample Type: Air

Effective Filter Area: 385mm²

Date Received: 9/19/2012 10:49:00 AM

Grid Opening Size: 0.0112mm²

Report Date: 9/25/2012 4:12:51 PM

Lab Sample No.	Client Sample Identification	Date Sampled	Prep Date	Air Vol. (L)	Dilution Factor	Analysis Date	Analyst	Grid Box Identification
A1209155-009A	012	09/17/12 @12:00 am	09/20/12 @9:14 am	1300	1	09/25/12 @1:52 pm	NG	09-20-12A-1

Analysis	Grid Openings Counted	Reporting Limit (s/mm ²)	Total Asbestos (s/mm ²)	Structures Counted			Total Asbestos				95 % Confidence Limit	
				Chrysotile	Amphibole	Total	Chrysotile (s/cc)	Amphibole (s/cc)	Total (s/cc)	Sensitivity (s/cc)	Low	High
Asbestos	6	15	<15	0	0	0	<0.0044	<0.0044	<0.0044	0.0044	0	<0.019

TEM Count Details

Rec	Grid	Grid Opening ID	Count	Length (um)	Width (um)	Structure ID	Structure Type	EDS	Mass (ng)
1	D6	C4A	0	0.00	0.00	None Detected			0
2	D6	C4C	0	0.00	0.00	None Detected			0
3	D6	E4A	0	0.00	0.00	None Detected			0
4	D7	C4A	0	0.00	0.00	None Detected			0
5	D7	C4C	0	0.00	0.00	None Detected			0
6	D7	E4A	0	0.00	0.00	None Detected			0

Total Fibers: 0

Total Mass: 0

TEM Microscope Documentation

Instrument	*Magnification	Accelerating	
		Voltage	Calibration Date
TEM 2/D686	14992x	100 KeV	9/4/2012

*Magnification = Calibrated screen magnification at 15,000X. For ISO Method 10312 the calibrated screen magnification is at 20,000X



ANALYTICAL RESULTS

Client: OCCU-TEC INC.

Client Reference No.: 92114-BLDG 107 CRAWL SPACE

Work Order No.: A1209155

Date: 25-Sep-12

Analytical Method: TEM AHERA

Filtration Filter: MCE Filter, .45um

Sample Type: Air

Effective Filter Area: 385mm²

Date Received: 9/19/2012 10:49:00 AM

Grid Opening Size: 0.0112mm²

Report Date: 9/25/2012 4:12:51 PM

Lab Sample No.	Client Sample Identification	Date Sampled	Prep Date	Air Vol. (L)	Dilution Factor	Analysis Date	Analyst	Grid Box Identification
A1209155-010A	013	09/17/12 @12:00 am	09/20/12 @9:14 am	1539	1	09/25/12 @1:52 pm	NG	09-20-12A-1

Analysis	Grid Openings Counted	Reporting Limit (s/mm ²)	Total Asbestos (s/mm ²)	Structures Counted			Total Asbestos				95 % Confidence Limit	
				Chry-sotile	Amph-ibole	Total	Chrysotile (s/cc)	Amphibole (s/cc)	Total (s/cc)	Sensitivity (s/cc)	Low	High
Asbestos	5	18	< 18	0	0	0	< 0.0045	< 0.0045	< 0.0045	0.0045	0	< 0.020

TEM Count Details

Rec	Grid	Grid Opening ID	Count	Length (um)	Width (um)	Structure ID	Structure Type	EDS	Mass (ng)
1	E6	E4A	0	0.00	0.00	None Detected			0
2	E6	E4C	0	0.00	0.00	None Detected			0
3	E6	F4A	0	0.00	0.00	None Detected			0
4	E7	C4A	0	0.00	0.00	None Detected			0
5	E7	C4C	0	0.00	0.00	None Detected			0

Total Fibers: 0

Total Mass: 0

TEM Microscope Documentation

Accelerating

Instrument	*Magnification	Voltage	Calibration Date
TEM 2/D686	14992x	100 KeV	9/4/2012

*Magnification = Calibrated screen magnification at 15,000X. For ISO Method 10312 the calibrated screen magnification is at 20,000X

Analyst(s) Name/Date:



9/25/2012

REQUEST FOR LABORATORY ANALYTICAL SERVICES

For Bureau Veritas Use Only
Bureau Veritas Lab Project No.



BUREAU VERITAS

Detroit Lab
22345 Roethel Drive
Novi, MI 48375
(800) 806-5887
(248) 344-1770
Fax (248) 344-2655

Bureau Veritas North America, Inc.

Atlanta Lab
3380 Chastain Meadows Pky, Ste 300
Kennesaw, GA 30144
(800) 252-9919
(888) 576-7522
(847) 726-3320
Fax (770) 499-7511

Bldg 107 CRAWLSPACE

A1209155

RUSH ANALYSIS

CONTRACT LAB IN ADVANCE
Need Results by: STANDARD
Charges Authorized? Yes No
(if yes, initial here)
 Email Results Fax

Name: JEFF SMITH Client Job. No.: 92114 PO # Call for Credit Card Information Direct Bill

Company: OCCELTEL

Mailing Address: 4151 N. MULBERRY STE 275

City, State, Zip: KANSAS CITY MO 64116

Telephone No.: 816.231.5580 Fax No.: 816.231.5641

Special instructions and/or specific regulatory requirements:
CALL PAT GALLIA W/ QUESTIONS
216 719 6149

Soils: Which state are these from?
Waters: Drinking Water Groundwater Wastewater

Explanation of Preservation: STANDARD T-A-T

CLIENT SAMPLE IDENTIFICATION	DATE SAMPLED	TIME SAMPLED	MATRIX MEDIA	AIR VOLUME (specify units)	Number of Containers	FOR LAB USE ONLY
004 GSA ADMIN 1 st FLOOR	09/17	15:15	TGM CASSETTE	1559	1	
005 GSA OFFICES 1 st FLOOR		15:20		1559	1	
006 ROOM 110 1 st FLOOR		15:25		1539	1	
007 ROOM 112 1 st FLOOR		15:30		1719	1	
008 BY ROOM 214 2 nd FLOOR		15:42		1450	1	
009 BY ROOM 274 2 nd FLOOR		15:45		1450	1	
010 BASEMENT BY SIGNERS		16:10		1386	1	
011 BASEMENT OUTSIDE CRAWLSPACE		16:15		1386	1	
012 BASEMENT CRAWLSPACE		16:25		1300	1	
013 OUTSIDE EAST PARKING LOT		16:35		1539	1	

ALPHA TGM PROCEL

CHAIN OF CUSTODY

Collected by: PATRICIA GALLIA Date: 09/12/12

Relinquished by: PATRICIA GALLIA Date/Time: 9/19/12

Relinquished by: FEALIX Date/Time: 9/19/12

Method of Shipment: FEALIX Date/Time: 9/19/12

Authorized by: [Signature] Date: 09/12/12

Sample Condition Upon Receipt: Acceptable Other (explain)



October 11, 2012

Jeff Smith
OCCU-TEC INC.
4151 N. Mulberry Suite 275
Kansas City, MO 64116

Bureau Veritas Work Order No. A1210109

Reference: 92114 - BLDG 107 CRAWLSPACE

Dear Jeff Smith:

Bureau Veritas North America, Inc. received 8 samples on October 10, 2012 for the analyses presented in the following report.

The results apply only to the samples analyzed in this project. Please note that any unused portion of the samples will be discarded after a sixty-day holding period, unless you have requested otherwise.

This material is confidential and is intended solely for the person to whom it is addressed. If this is received in error, please contact the number provided below.

We appreciate the opportunity to assist you. If you have any questions concerning the report, please contact the analyst whose name appears on the report or myself at (770) 499-7701.

Sincerely,

Kuntal Parikh

Senior Microscopist

Electronic signature authorized through password protection

cc: Michael Wantland

Bureau Veritas North America, Inc.

Health, Safety, and Environmental Services
3380 Chastain Meadows Parkway, Suite 300
Kennesaw, GA 30144

Main: (770) 499-7701

Fax: (770) 499-7511

www.us.bureauveritas.com



CASE NARRATIVE

Date: 11-Oct-12

CLIENT: OCCU-TEC INC.
Project: 92114 - BLDG 107 CRAWLSPACE
Work Order No A1210109

ANALYTICAL METHOD FOR AIRBORNE ASBESTOS FIBERS USING TRANSMISSION ELECTRON MICROSCOPY (TEM) BY THE AHERA METHOD

The results of this report relate only to the samples listed in the body of this report.

Unless otherwise noted below, the following statements apply: 1) all samples were received in acceptable condition, 2) all quality control results associated with this sample set were within acceptable limits and/or do not adversely affect the reported results and 3) the industrial hygiene results have not been blank corrected.

Upon receipt in the laboratory, filters are transferred to a glass slide with a drop of dimethyl formamide/acetic acid clearing solution. After clearing, samples are partially ashed in a plasma asher. The filters are then carbon coated in a vacuum evaporator. Portions of the cleared/ashed/coated filters are excised and placed on 200-mesh copper TEM grids in a wick-type solutional washer containing 100% acetone.

Two grids are placed consecutively in the TEM for examination. An equal number of openings are examined on each grid at 15,000X magnification. Asbestos structures containing fibers which meet a >5:1 length:width aspect ratio and a minimum length of 0.5 micrometers are identified using morphology, selected area electron diffraction, and energy-dispersive x-ray spectroscopy. Fibers are classified by structure type, are sized (length and width), and are identified as chrysotile, amphibole, ambiguous, or non-asbestos. Results are reported as total asbestos structures per square millimeter of filter and asbestos structures per cubic centimeter of air (asbestos structures/cc). The Kennesaw, Georgia laboratory is accredited by NVLAP -Lab Code 101125-0.

For clearance of a work area in schools (k-12) the requirement is that the average of the results of the five inside samples is <70 str/mm² assuming an analytical sensitivity of <0.005 structures/cubic centimeter.

The test report shall not be reproduced, except in full, without written approval of the laboratory. In addition, the report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.

References



CLIENT: OCCU-TEC INC.

Project: 92114 - BLDG 107 CRAWLSPACE

Work Order No A1210109

USEPA. 1987. Asbestos Hazard Emergency Response Act. Appendix A to 40 CFR 763, Subpart E.
Washington: GPO. (AHERA protocol).



ANALYTICAL RESULTS

Client: OCCU-TEC INC.

Client Reference No.: 92114 - BLDG 107 CRAWLSPACE

Work Order No.: A1210109

Date: 11-Oct-12

Analytical Method: TEM AHERA

Sample Type: Air

Date Received: 10/10/2012 12:23:12 PM

Report Date: 10/11/2012 2:58:02 PM

Grid Opening Size: 0.0112 mm²

Lab Sample No.	Client Sample ID	Reporting Limit (s/mm ²)	Total Asbestos (s/mm ²)	Structures Counted			Total Asbestos				95 % Confidence Limit	
				Chrysotile	Amphibole	Total	Chrysotile (s/cc)	Amphibole (s/cc)	Total (s/cc)	Sensitivity (s/cc)	Low	High
A1210109-001A	017	22	< 22	0	0	0	< 0.0046	< 0.0046	< 0.0046	0.0046	0	< 0.020
A1210109-002A	018	22	< 22	0	0	0	< 0.0046	< 0.0046	< 0.0046	0.0046	0	< 0.020
A1210109-003A	019	22	< 22	0	0	0	< 0.0045	< 0.0045	< 0.0045	0.0045	0	< 0.020
A1210109-004A	020	22	< 22	0	0	0	< 0.0045	< 0.0045	< 0.0045	0.0045	0	< 0.020
A1210109-005A	021	22	< 22	0	0	0	< 0.0045	< 0.0045	< 0.0045	0.0045	0	< 0.020
A1210109-006A	022	22	< 22	0	0	0	< 0.0042	< 0.0042	< 0.0042	0.0042	0	< 0.019

MCEF: Mixed Cellulose Ester Filter

s/mm²: Structures per square millimeter

"-": No Results (Air Volume is 0)

s/cc: Structures per cubic centimeter of air collected.

<: Result is less than the indicated limit of detection.

Note 1: AHERA Structures counted contain fibers which met a $\geq 5:1$ (length:width) aspect ratio and were $\geq 0.5\mu\text{m}$ in length.

Note 2: AHERA sampling criteria requires that >1200 liters of air be collected on $0.45\mu\text{m}$ filters. Deviation from these requirements

Note 3: Yamate Level II Structures counted contain fibers which meet a $\geq 3:1$ (length:width) aspect ratio.



ANALYTICAL RESULTS

Client: OCCU-TEC INC.

Client Reference No.: 92114 - BLDG 107 CRAWLSPACE

Work Order No.: A1210109

Date: 11-Oct-12

Analytical Method: TEM AHERA

Sample Type: Air

Date Received: 10/10/2012 12:23:12 PM

Report Date: 10/11/2012 2:58:02 PM

Grid Opening Size: 0.0112 mm²

Lab Sample No.	Client Sample ID	Reporting Limit (s/mm ²)	Total Asbestos (s/mm ²)	Structures Counted			Total Asbestos				95 % Confidence Limit	
				Chrysotile	Amphibole	Total	Chrysotile (s/cc)	Amphibole (s/cc)	Total (s/cc)	Sensitivity (s/cc)	Low	High
A1210109-007A	023	22	< 22	0	0	0	< 0.0043	< 0.0043	< 0.0043	0.0043	0	< 0.019
A1210109-008A	024	22	< 22	0	0	0	< 0.0043	< 0.0043	< 0.0043	0.0043	0	< 0.019

MCEF: Mixed Cellulose Ester Filter
 s/mm²: Structures per square millimeter
 "--" : No Results (Air Volume is 0)

s/cc: Structures per cubic centimeter of air collected.
 <: Result is less than the indicated limit of detection.

- Note 1: AHERA Structures counted contain fibers which met a $\geq 5:1$ (length:width) aspect ratio and were $\geq 0.5\mu\text{m}$ in length.
- Note 2: AHERA sampling criteria requires that >1200 liters of air be collected on $0.45\mu\text{m}$ filters. Deviation from these requirements
- Note 3: Yamate Level II Structures counted contain fibers which meet a $\geq 3:1$ (length:width) aspect ratio.

Analyst(s) Name/Date: _____

10/11/2012



ANALYTICAL RESULTS

Client: OCCU-TEC INC.

Client Reference No.: 92114 - BLDG 107 CRAWLSPACE

Work Order No.: A1210109

Date: 11-Oct-12

Analytical Method: TEM AHERA

Filtration Filter: MCE Filter, .45um

Sample Type: Air

Effective Filter Area: 385 mm²

Date Received: 10/10/2012 12:23:12 PM

Grid Opening Size: 0.0112 mm²

Report Date: 10/11/2012 2:58:02 PM

Lab Sample No.	Client Sample Identification	Date Sampled	Prep Date	Air Vol. (L)	Dilution Factor	Analysis Date	Analyst	Grid Box Identification
A1210109-001A	017	10/09/12 @12:00 am	10/10/12 @12:34 pm	1871	1	10/11/12 @10:14 am	NG	10-10-12E-1

Analysis	Grid Openings Counted	Reporting Limit (s/mm ²)	Total Asbestos (s/mm ²)	Structures Counted			Total Asbestos				95 % Confidence Limit	
				Chry-sotile	Amph-ibole	Total	Chrysotile (s/cc)	Amphibole (s/cc)	Total (s/cc)	Sensitivity (s/cc)	Low	High
Asbestos	4	22	<22	0	0	0	<0.0046	<0.0046	<0.0046	0.0046	0	<0.020

TEM Count Details

Rec	Grid	Grid Opening ID	Count	Length (um)	Width (um)	Structure ID	Structure Type	EDS	Mass (ng)
1	A1	C4A	0	0.00	0.00	None Detected			0
2	A1	C4C	0	0.00	0.00	None Detected			0
3	A2	C4A	0	0.00	0.00	None Detected			0
4	A2	C4C	0	0.00	0.00	None Detected			0

Total Fibers: 0

Total Mass: 0

TEM Microscope Documentation

Instrument	*Magnification	Accelerating		Calibration Date
		Voltage		
TEM 2/D686	14980x	100 KeV		10/1/2012

*Magnification = Calibrated screen magnification at 15,000X. For ISO Method 10312 the calibrated screen magnification is at 20,000X



ANALYTICAL RESULTS

Client: OCCU-TEC INC.

Client Reference No.: 92114 - BLDG 107 CRAWLSPACE

Work Order No.: A1210109

Date: 11-Oct-12

Analytical Method: TEM AHERA

Filtration Filter: MCE Filter, .45um

Sample Type: Air

Effective Filter Area: 385 mm²

Date Received: 10/10/2012 12:23:12 PM

Grid Opening Size: 0.0112 mm²

Report Date: 10/11/2012 2:58:02 PM

Lab Sample No.	Client Sample Identification	Date Sampled	Prep Date	Air Vol. (L)	Dilution Factor	Analysis Date	Analyst	Grid Box Identification
A1210109-002A	018	10/09/12 @12:00 am	10/10/12 @12:34 pm	1878	1	10/11/12 @10:14 am	NG	10-10-12E-1

Analysis	Grid Openings Counted	Reporting Limit (s/mm ²)	Total Asbestos (s/mm ²)	Structures Counted			Total Asbestos				95 % Confidence Limit	
				Chrysotile	Amphibole	Total	Chrysotile (s/cc)	Amphibole (s/cc)	Total (s/cc)	Sensitivity (s/cc)	Low	High
Asbestos	4	22	< 22	0	0	0	< 0.0046	< 0.0046	< 0.0046	0.0046	0	< 0.020

TEM Count Details

Rec	Grid	Grid Opening ID	Count	Length (um)	Width (um)	Structure ID	Structure Type	EDS	Mass (ng)
1	B1	C4A	0	0.00	0.00	None Detected			0
2	B1	C4C	0	0.00	0.00	None Detected			0
3	B2	C4A	0	0.00	0.00	None Detected			0
4	B2	C4C	0	0.00	0.00	None Detected			0

Total Fibers: 0

Total Mass: 0

TEM Microscope Documentation

Accelerating

Instrument	*Magnification	Voltage	Calibration Date
TEM 2/D686	14980x	100 KeV	10/1/2012

*Magnification = Calibrated screen magnification at 15,000X. For ISO Method 10312 the calibrated screen magnification is at 20,000X



ANALYTICAL RESULTS

Client: OCCU-TEC INC.

Client Reference No.: 92114 - BLDG 107 CRAWLSPACE

Work Order No.: A1210109

Date: 11-Oct-12

Analytical Method: TEM AHERA

Filtration Filter: MCE Filter, .45um

Sample Type: Air

Effective Filter Area: 385 mm²

Date Received: 10/10/2012 12:23:12 PM

Grid Opening Size: 0.0112 mm²

Report Date: 10/11/2012 2:58:02 PM

Lab Sample No.	Client Sample Identification	Date Sampled	Prep Date	Air Vol. (L)	Dilution Factor	Analysis Date	Analyst	Grid Box Identification
A1210109-003A	019	10/09/12 @12:00 am	10/10/12 @12:34 pm	1885	1	10/11/12 @10:14 am	NG	10-10-12E-1

Analysis	Grid Openings Counted	Reporting Limit (s/mm ²)	Total Asbestos (s/mm ²)	Structures Counted			Total Asbestos				95 % Confidence Limit	
				Chry-sotile	Amph-ibole	Total	Chrysotile (s/cc)	Amphibole (s/cc)	Total (s/cc)	Sensitivity (s/cc)	Low	High
Asbestos	4	22	< 22	0	0	0	< 0.0045	< 0.0045	< 0.0045	0.0045	0	< 0.020

TEM Count Details

Rec	Grid	Grid Opening ID	Count	Length (um)	Width (um)	Structure ID	Structure Type	EDS	Mass (ng)
1	C1	C4A	0	0.00	0.00	None Detected			0
2	C1	C4C	0	0.00	0.00	None Detected			0
3	C2	C4A	0	0.00	0.00	None Detected			0
4	C2	C4C	0	0.00	0.00	None Detected			0

Total Fibers: 0

Total Mass: 0

TEM Microscope Documentation

Accelerating

Instrument	*Magnification	Voltage	Calibration Date
TEM 2/D686	14980x	100 KeV	10/1/2012

*Magnification = Calibrated screen magnification at 15,000X. For ISO Method 10312 the calibrated screen magnification is at 20,000X



ANALYTICAL RESULTS

Client: OCCU-TEC INC.

Client Reference No.: 92114 - BLDG 107 CRAWLSPACE

Work Order No.: A1210109

Date: 11-Oct-12

Analytical Method: TEM AHERA

Filtration Filter: MCE Filter, .45um

Sample Type: Air

Effective Filter Area: 385 mm²

Date Received: 10/10/2012 12:23:12 PM

Grid Opening Size: 0.0112 mm²

Report Date: 10/11/2012 2:58:02 PM

Lab Sample No.	Client Sample Identification	Date Sampled	Prep Date	Air Vol. (L)	Dilution Factor	Analysis Date	Analyst	Grid Box Identification
A1210109-004A	020	10/09/12 @12:00 am	10/10/12 @12:34 pm	1885	1	10/11/12 @10:14 am	NG	10-10-12E-1

Analysis	Grid Openings Counted	Reporting Limit (s/mm ²)	Total Asbestos (s/mm ²)	Structures Counted			Total Asbestos			Sensitivity (s/cc)	95 % Confidence Limit	
				Chry-sotile	Amph-ibole	Total	Chrysotile (s/cc)	Amphibole (s/cc)	Total (s/cc)		Low	High
Asbestos	4	22	< 22	0	0	0	< 0.0045	< 0.0045	< 0.0045	0.0045	0	< 0.020

TEM Count Details

Rec	Grid	Grid Opening ID	Count	Length (um)	Width (um)	Structure ID	Structure Type	EDS	Mass (ng)
1	D1	C4A	0	0.00	0.00	None Detected			0
2	D1	C4C	0	0.00	0.00	None Detected			0
3	D2	C4A	0	0.00	0.00	None Detected			0
4	D2	C4C	0	0.00	0.00	None Detected			0

Total Fibers: 0

Total Mass: 0

TEM Microscope Documentation

Accelerating

Instrument	*Magnification	Voltage	Calibration Date
TEM 2/D686	14980x	100 KeV	10/1/2012

*Magnification = Calibrated screen magnification at 15,000X. For ISO Method 10312 the calibrated screen magnification is at 20,000X



ANALYTICAL RESULTS

Client: OCCU-TEC INC.

Client Reference No.: 92114 - BLDG 107 CRAWLSPACE

Work Order No.: A1210109

Date: 11-Oct-12

Analytical Method: TEM AHERA

Filtration Filter: MCE Filter, .45um

Sample Type: Air

Effective Filter Area: 385 mm²

Date Received: 10/10/2012 12:23:12 PM

Grid Opening Size: 0.0112 mm²

Report Date: 10/11/2012 2:58:02 PM

Lab Sample No.	Client Sample Identification	Date Sampled	Prep Date	Air Vol. (L)	Dilution Factor	Analysis Date	Analyst	Grid Box Identification
A1210109-005A	021	10/09/12 @12:00 am	10/10/12 @12:34 pm	1891	1	10/11/12 @10:14 am	NG	10-10-12E-1

Analysis	Grid Openings Counted	Reporting Limit (s/mm ²)	Total Asbestos (s/mm ²)	Structures Counted			Total Asbestos				95 % Confidence Limit	
				Chrysotile	Amphibole	Total	Chrysotile (s/cc)	Amphibole (s/cc)	Total (s/cc)	Sensitivity (s/cc)	Low	High
Asbestos	4	22	<22	0	0	0	<0.0045	<0.0045	<0.0045	0.0045	0	<0.020

TEM Count Details

Rec	Grid	Grid Opening ID	Count	Length (um)	Width (um)	Structure ID	Structure Type	EDS	Mass (ng)
1	E1	C4A	0	0.00	0.00	None Detected			0
2	E1	C4C	0	0.00	0.00	None Detected			0
3	E2	C4A	0	0.00	0.00	None Detected			0
4	E2	C4C	0	0.00	0.00	None Detected			0

Total Fibers: 0

Total Mass: 0

TEM Microscope Documentation

Accelerating

Instrument	*Magnification	Voltage	Calibration Date
TEM 2/D686	14980x	100 KeV	10/1/2012

*Magnification = Calibrated screen magnification at 15,000X. For ISO Method 10312 the calibrated screen magnification is at 20,000X



ANALYTICAL RESULTS

Client: OCCU-TEC INC.

Client Reference No.: 92114 - BLDG 107 CRAWLSPACE

Work Order No.: A1210109

Date: 11-Oct-12

Analytical Method: TEM AHERA

Filtration Filter: MCE Filter, .45um

Sample Type: Air

Effective Filter Area: 385 mm²

Date Received: 10/10/2012 12:23:12 PM

Grid Opening Size: 0.0112 mm²

Report Date: 10/11/2012 2:58:02 PM

Lab Sample No.	Client Sample Identification	Date Sampled	Prep Date	Air Vol. (L)	Dilution Factor	Analysis Date	Analyst	Grid Box Identification
A1210109-006A	022	10/09/12 @12:00 am	10/10/12 @12:34 pm	2024	1	10/11/12 @10:14 am	NG	10-10-12E-1

Analysis	Grid Openings Counted	Reporting Limit (s/mm ²)	Total Asbestos (s/mm ²)	Structures Counted			Total Asbestos				95 % Confidence Limit	
				Chrysotile	Amphibole	Total	Chrysotile (s/cc)	Amphibole (s/cc)	Total (s/cc)	Sensitivity (s/cc)	Low	High
Asbestos	4	22	< 22	0	0	0	< 0.0042	< 0.0042	< 0.0042	0.0042	0	< 0.019

TEM Count Details

Rec	Grid	Grid Opening ID	Count	Length (um)	Width (um)	Structure ID	Structure Type	EDS	Mass (ng)
1	A6	G4C	0	0.00	0.00	None Detected			0
2	A6	H4A	0	0.00	0.00	None Detected			0
3	A7	C4A	0	0.00	0.00	None Detected			0
4	A7	C4C	0	0.00	0.00	None Detected			0

Total Fibers: 0

Total Mass: 0

TEM Microscope Documentation

Accelerating

Instrument	*Magnification	Voltage	Calibration Date
TEM 2/D686	14980x	100 KeV	10/1/2012

*Magnification = Calibrated screen magnification at 15,000X. For ISO Method 10312 the calibrated screen magnification is at 20,000X



ANALYTICAL RESULTS

Client: OCCU-TEC INC.

Client Reference No.: 92114 - BLDG 107 CRAWLSPACE

Work Order No.: A1210109

Date: 11-Oct-12

Analytical Method: TEM AHERA

Filtration Filter: MCE Filter, .45um

Sample Type: Air

Effective Filter Area: 385 mm²

Date Received: 10/10/2012 12:23:12 PM

Grid Opening Size: 0.0112 mm²

Report Date: 10/11/2012 2:58:02 PM

Lab Sample No.	Client Sample Identification	Date Sampled	Prep Date	Air Vol. (L)	Dilution Factor	Analysis Date	Analyst	Grid Box Identification
A1210109-007A	023	10/09/12 @12:00 am	10/10/12 @12:34 pm	1982	1	10/11/12 @10:14 am	NG	10-10-12E-1

Analysis	Grid Openings Counted	Reporting Limit (s/mm ²)	Total Asbestos (s/mm ²)	Structures Counted			Total Asbestos				95 % Confidence Limit	
				Chrysotile	Amphibole	Total	Chrysotile (s/cc)	Amphibole (s/cc)	Total (s/cc)	Sensitivity (s/cc)	Low	High
Asbestos	4	22	< 22	0	0	0	< 0.0043	< 0.0043	< 0.0043	0.0043	0	< 0.019

TEM Count Details

Rec	Grid	Grid Opening ID	Count	Length (um)	Width (um)	Structure ID	Structure Type	EDS	Mass (ng)		
1	B6	C4A	0	0.00	0.00	None Detected			0		
2	B6	C4C	0	0.00	0.00	None Detected			0		
3	B7	C4C	0	0.00	0.00	None Detected			0		
4	B7	E4A	0	0.00	0.00	None Detected			0		
Total Fibers:			0							Total Mass:	0

TEM Microscope Documentation

Accelerating

Instrument	*Magnification	Voltage	Calibration Date
TEM 2/D686	14980x	100 KeV	10/1/2012

*Magnification = Calibrated screen magnification at 15,000X. For ISO Method 10312 the calibrated screen magnification is at 20,000X



ANALYTICAL RESULTS

Client: OCCU-TEC INC.

Client Reference No.: 92114 - BLDG 107 CRAWLSPACE

Work Order No.: A1210109

Date: 11-Oct-12

Analytical Method: TEM AHERA

Filtration Filter: MCE Filter, .45um

Sample Type: Air

Effective Filter Area: 385 mm²

Date Received: 10/10/2012 12:23:12 PM

Grid Opening Size: 0.0112 mm²

Report Date: 10/11/2012 2:58:02 PM

Lab Sample No.	Client Sample Identification	Date Sampled	Prep Date	Air Vol. (L)	Dilution Factor	Analysis Date	Analyst	Grid Box Identification
A1210109-008A	024	10/09/12 @12:00 am	10/10/12 @12:34 pm	1989	1	10/11/12 @10:14 am	NG	10-10-12E-1

Analysis	Grid Openings Counted	Reporting Limit (s/mm ²)	Total Asbestos (s/mm ²)	Structures Counted			Total Asbestos			95 % Confidence Limit		
				Chrysotile	Amphibole	Total	Chrysotile (s/cc)	Amphibole (s/cc)	Total (s/cc)	Sensitivity (s/cc)	Low	High
Asbestos	4	22	< 22	0	0	0	< 0.0043	< 0.0043	< 0.0043	0.0043	0	< 0.019

TEM Count Details

Rec	Grid	Grid Opening ID	Count	Length (um)	Width (um)	Structure ID	Structure Type	EDS	Mass (ng)		
1	C6	C4A	0	0.00	0.00	None Detected			0		
2	C6	C4C	0	0.00	0.00	None Detected			0		
3	C7	C4A	0	0.00	0.00	None Detected			0		
4	C7	C4C	0	0.00	0.00	None Detected			0		
Total Fibers:			0							Total Mass:	0

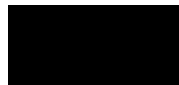
TEM Microscope Documentation

Accelerating

Instrument	*Magnification	Voltage	Calibration Date
TEM 2/D686	14980x	100 KeV	10/1/2012

*Magnification = Calibrated screen magnification at 15,000X. For ISO Method 10312 the calibrated screen magnification is at 20,000X

Analyst(s) Name/Date:



10/11/2012

REQUEST FOR LABORATORY ANALYTICAL SERVICES

For Bureau Veritas Use Only
Bureau Veritas Lab Project No.



BUREAU VERITAS
1928

Bureau Veritas North America, Inc.

Atlanta Lab
3380 Chastain Meadows Pkwy, Ste 300
Kennesaw, GA 30144
(800) 252-9919
(770) 499-7500
Fax (770) 499-7511

Chicago Lab
95 Oakwood Road
Lake Zurich, IL 60047
(888) 576-7522
(847) 726-3320
Fax (847) 726-3323

BAG 107 CRAWLSPACE

24hr FAX

10/11/12
13:08
13:43

JSMITH@occutel.com

AL21019

Name: JEFF SWANTA Client Job No. 92114
Company: OCUTEL Dept. ENV.
Mailing Address: 4151 N. MULBERRY STE 275
City, State, Zip: KANSAS CITY, MO 64116
Telephone No.: 816.231.5580 Fax No.: 816.231.5641

PO # _____ Call for Credit Card Information Direct Bill
Name: DAVID HARTSHORN
Company: GSA
Address: 1500 EAST BANNISTER ROOM 2101
City, State, Zip: KANSAS CITY MO 64131-3088

Special Instructions and/or specific regulatory requirements:
PHONE PAT GARCIA W/ VERITAS RESULTS 816.719.6149

Soils: Which state are these from?
Waters: Drinking Water Groundwater Wastewater

ANALYSIS REQUESTED
(Enter an 'X' in the box below to indicate request. Enter a 'P' if Preservative added.)

CLIENT SAMPLE IDENTIFICATION	DATE SAMPLED	TIME SAMPLED	MATRIX MEDIA	AIR VOLUME (specify units)
#305 NORTH END OF CRAWLSPACE	10/09/12	10:10	TCM	1871
#404 NORTH END OF CRAWLSPACE		10:11		1878
#399 CENTRAL OF CRAWLSPACE		10:12		1885
#405 SOUTH END OF CRAWLSPACE		10:14		1895
#398 SOUTH END OF CRAWLSPACE		10:15		1891
#396 1 ST FLS. VESTIBULE		10:22		2,024
#403 BASEMENT DNA CRAWLSPACE		10:24		1992
#406 BASEMENT PYSANOL #406		10:25		1989

FOR LAB USE ONLY

AKKA	ASB TCM TYPICAL
------	-----------------

CHAIN OF CUSTODY

Collected by: PATRICIA CORALIA (print)
Relinquished by: PATRICIA CORALIA
Relinquished by: _____
Method of Shipment: Fedex

Date: 10/09/12

Collector's Signature: _____
Received by: _____
Received by: _____
Received at Lab by: _____

Date/Time: 10/10/2012
Date/Time: _____
Date/Time: _____

Authorized by: _____
Date: 10/09/12

Sample Condition Upon Receipt: Acceptable Other (explain)

24hr TURN AROUND TIME

Page 1 of 1

(Client Signature MUST Accompany Request)

LABORATORY COPY

BLANKS NOT SUBMITTED

1

WASTE SHIPMENT RECORD / ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Generator	1-A. Special Waste Profile Number 433R1019946		NESHAP Notified <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	WSR Number 007790		Elevation _____ North _____ East _____		
	1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code) Terracon (Owner's Representative) 13910 West 96th Terrace Lenexa, KS 66215					1-C. Generator's Phone Number 913-998-7397		
	1-D. Work Site Address Federal Center 4300 Goodfellow St. Louis, MO					1-E. 24 Hour Emergency Response Telephone Number 913-998-7397		
	2. Operator's Name and Complete Mailing Address GEI 7225 St. Charles Rock Road Pagedale, MO 63133					Operator's Phone Number 635-928-2500		
	3. Waste Disposal Site (WDS) Name and Complete Mailing Address Roxana Landfill Authority 4600 Cahokia Creek Road Roxana, IL 62048					WDS Phone Number 618-656-6912		
	4. Name and Address of Responsible Agency MO Dept. of Natural Resources 205 Jefferson, Room 20 Jefferson City, MO 65102							
	5. Description of Materials						6. Containers No. Type	7. Total Quantity yd3
	friable asbestos Contaminated Soil & Debris			Asbestos, 9, NA2212, III, RQ			Bladder	20 yd
	non-friable asbestos			Cat I _____ Cat II _____			13/4	
	8. Special Handling Instructions and Additional Information 24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL. MUST BE BURIED							
9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.								
Printed/Typed Name and Title Vicki Dunn-Wolfe/President				Signature 		Date 9-21-12		
Transporter	10. Transporter 1 Company Name Allied Waste				Driver Signature 			
	Complete Mailing Address 12976 St. Charles Rock Road Bridgeton, MO 63044				Printed Name and Title MARIE LOCKHART			
	Telephone Number (including area code) 636-947-5959				Date 9-24-12			
	11. Transporter 2 Company Name				Driver Signature			
Complete Mailing Address				Printed Name and Title				
Telephone Number (including area code)				Date				
Disposal Site	12. Discrepancy Indication Space							
	13. Waste Disposal Site Owner or Operator Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval. Certification of receipt of asbestos materials covered by this manifest except as noted in item 12.							
	Printed/Typed Name and Title Chris Hester				Signature 		Date 9/25/12	

51177795V

2

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation _____

North _____ East _____

1-A. Special Waste Profile Number

43321019946

NESHAP Notified

____ YES ____ NO

WSR Number

007791

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)

Terracon (Owner's Representative)
13910 West 96th Terrace
Lenexa, KS 66215

1-C. Generator's Phone Number

913-998-7397

1-D. Work Site Address

Federal Center
4300 Goodfellow
St. Louis, MO

1-E. 24 Hour Emergency Response Telephone Number

013-998-7397

2. Operator's Name and Complete Mailing Address:

GEI
7225 St. Charles Rock Road
Pagedale, MO 63133

Operator's Phone Number

636-928-2500

3. Waste Disposal Site (WDS) Name and Complete Mailing Address

Roxana Landfill Authority
4600 Cahokia Creek Road
Roxana, IL 62048

WDS Phone Number

618-656-6912

4. Name and Address of Responsible Agency

MO Dept. of Natural Resources
205 Jefferson, Room 20
Jefferson City, MO 65102

5. Description of Materials

Infrable asbestos
Contaminated Soil & Debris

Asbestos, 9, NA2212, III, RQ

non-infrable asbestos

Cat I _____ Cat II _____

6. Containers No. Type

BIALLIN BAG

7. Total Quantity yd3

2041

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title

Vicki Dunn-Wolfe/President

Signature

[Signature]

Date

9-27-12

10. Transporter 1 Company Name

Allied Waste
Complete Mailing Address
12976 St. Charles Rock Road
Bridgeton, MO 63044

Driver Signature

[Signature]

Printed Name and Title

Mike Tillman

Date

9-28-12

Telephone Number (including area code)

636-947-5959

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator

Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval. Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

7/19/13

Printed/Typed Name and Title

[Signature]

Signature

[Signature]

Date

7/26/12

WHITE - Disposal Site

CANARY - Generator (To be mailed by Disposal Site)

PINK - Transporter

GOLD - Generator (To be taken prior to disposal)

ASB21222003

Generator

Transporter

Disposal Site

3

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation _____

North _____ East _____

1-A. Special Waste Profile Number

NESHAP Notified

WSR Number

42381010946

YES NO

007793

1-B. Generator Name, Contact Name, and Complete Mailing Address, (Including Zip Code)

Terracon (Owner's Representative)
13910 West 96th Terrace
Lenexa, KS 66215

1-C. Generator's Phone Number

913-998-7397

1-D. Work Site Address

Federal Center
4300 Goodfellow
St. Louis, MO

1-E. 24 Hour Emergency Response Telephone Number

913-998-7397

2. Operator's Name and Complete Mailing Address

GEI
7225 St. Charles Rock Road
Pagedale, MO 63133

Operator's Phone Number

636-928-2500

3. Waste Disposal Site (WDS) Name and Complete Mailing Address

Roxana Landfill Authority
4600 Cahokia Creek Road
Roxana, IL 62048

WDS Phone Number

618-656-6912

4. Name and Address of Responsible Agency

MO Dept. of Natural Resources
205 Jefferson, Room 20
Jefferson City, MO 65102

920

8.21T

5. Description of Materials

friable asbestos
Contaminated Soil & Debris

Asbestos, 9, NA2212, III, RQ

612

6. Containers No. Type

Rinwa

7. Total Quantity yd3

7.5 yd3

8. Special Handling Instructions and Additional Information

24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title

Vicki Dunn-Wolfe/President

Signature

[Redacted Signature]

Date

10-2-12

10. Transporter 1 Company Name

Allied Waste

Complete Mailing Address

12976 St. Charles Rock Road
Bridgeton, MO 63044

Driver Signature

[Redacted Driver Signature]

Printed Name and Title

Mike Tillman

Date

10-4-12

Telephone Number (including area code)

636-947-5959

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator

Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval. Certification of receipt of asbestos materials covered by this manifest except as noted in item 12.

Printed/Typed Name and Title

D Witt

Signature

[Redacted Signature]

Date

10/4/12

WHITE Disposal Site

CANARY - Generator (To be mailed by Disposal Site)

GOLD - Generator (To be taken prior to disposal)

ASB21222DUS

4

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation _____

North _____ East _____

007794

1-A. Special Waste Prolife Number

43381019946

NESHAP Notified

YES NO

WSR Number

1-B. Generator Name, Contact Name, and Complete Mailing Address (Including Zip Code)

Terracon (Owner's Representative)
13910 West Terrace
Lexxa, KS 66215

1-C. Generator's Phone Number

913-998-7397

1-D. Work Site Address

Federal Center
4300 Goodfellow
St. Louis, MO

1-E. 24 Hour Emergency Response Telephone Number

913-998-7397

2. Operator's Name and Complete Mailing Address

GEI
7225 St. Charles Rock Road
Pageville, MO 63133

Operator's Phone Number

636-928-2500

3. Waste Disposal Site (WDS) Name and Complete Mailing Address

Roxana Landfill Authority
4600 Cahokia Creek Road
Roxana, IL 62048

WDS Phone Number

618-656-6912

4. Name and Address of Responsible Agency

MO Dept. of Natural Resources
205 Jefferson, Room 20
Jefferson City, MO 65102

5. Description of Materials

friable asbestos
Contaminated Soil & Debris

Asbestos, 9, NA2212, III, RQ

non-friable asbestos

Cat I _____ Cat II _____

6. Containers No. Type

7. Total Quantity yds

ZB/Abbe Zlyd

8. Special Handling Instructions and Additional Information

24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title

Vicki Dunn-Wolfe/President

Signature

Date

10-9-12

10. Transporter 1 Company Name

Allied Waste

Complete Mailing Address

12976 St. Charles Rock Road
Bridgeton, MO 63044

Telephone Number (including area code)

636-947-5959

Driver Signature

Printed Name and Title

Mike Hillman

Date

10-10-12

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

12. Discrepancy Indication Space

921775

13. Waste Disposal Site Owner or Operator

Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval. Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title

D Witt

Signature

Date

10/10/12

WHITE - Disposal Site

CANARY - Generator (To be mailed by Disposal Site)

PINK - Transporter

GOLD - Generator (To be taken prior to disposal)

ASB2727285V

Generator

Transporter

Disposal Site

PLEASE TYPE OR PRINT

5

WASTE SHIPMENT RECORD (FOR SHIPMENT OF ASBESTOS)		WMX Profile # 43291010045	24 Hour Response Number	WMXWSR Number 121596
1. Work Site Name and Mailing Address Federal Center 4300 Goodfellow St. Louis, MO		Owner's Name Allen Bartels Owner's Rep 012-008-7307		Owner's Phone No. 012-008-7307
2. Operator's Name and Address GEI 7225 St. Charles Rock Road Pagedale, MO 63133		Operator's Contact Vicki Dunn-Wolfe		Operator's Phone No. 636-078-2500
3. Waste Disposal Site (WDS) Name, Mailing Address, and Physical Site Location Roxana Landfill Authority 4600 Cahokia Creek Road Roxana, IL 62048				WDS Phone No. 618-656-6912
4. Name, and Address of Responsible Agency MO Dept. of Natural Resources 205 Jefferson, Room 20 Jefferson City, MO 65102				Responsible Agency Phone Number 573-751-4817
5. Description of Materials		6. Containers No. Type		7. Total Quantity m ³ (yd ³)
Contaminated Soil & Debris (Friable)		217 BAGS		40 yds
8. Special Handling Instructions and Additional Information				
9. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.				
Printed/Typed Name & Title Vicki Dunn-Wolfe/President		Signature 		Month Day Year 10-12-12
10. Transporter 1 (Acknowledgment of Receipt of Materials)				
Printed/Typed Name & Title Allied Waste Address and Telephone Number 636-947-5959 12976 St. Charles Rock Road Bridgeton, MO 63044		Signature 		Month Day Year 10-16-12
11. Transporter 2 (Acknowledgment of Receipt of Materials)				
Printed/Typed Name & Title Address and Telephone No.		Signature		Month Day Year
12. Discrepancy Indication Space				
13. Waste Disposal Site Owner or Operator: Certification of receipt of asbestos materials covered by this manifest except as noted in item 12.				
Printed/Typed Name & Title C. M. Steiner		Signature 		Month Day Year 10/16/12

ASB2122DK3

Generator

Transporter

Disposal Site

PLEASE TYPE OR PRINT

le

WASTE SHIPMENT RECORD (FOR SHIPMENT OF ASBESTOS)		WMX Profile # 43381979946	24 Hour Response Number	WMXWSR Number 121597	
Generator	1. Work Site Name and Mailing Address Federal Center 4300 Goodfellow St. Louis, MO		Owner's Name Allen Bartels	Owner's Phone No. 913-998-7397	
	2. Operator's Name and Address GEI 7225 St. Charles Rock Road Pagedale, MO 63133		Operator's Contact Vicki Dunn-Wolfe	Operator's Phone No. 636-928-2500	
	3. Waste Disposal Site (WDS) Name, Mailing Address, and Physical Site Location Roxana Landfill Authority 4600 Cahokia Creek Road Roxana, IL 62048			WDS Phone No. 618-656-6912	
	4. Name, and Address of Responsible Agency MO Dept. of Natural Resources 205 Jefferson, Room 20 Jefferson City, MO 65102			Responsible Agency Phone Number 573-751-4817	
	5. Description of Materials		6. Containers No. Type	7. Total Quantity m ³ (yd ³)	
	Contaminated Soil & Debris (Friable)		1 BAG	20 yd	
	8. Special Handling Instructions and Additional Information				
	9. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.				
	Printed/typed Name & Title Vicki Dunn-Wolfe/President		Signature 		Month Day Year 10-12-12
Transporter	10. Transporter 1 (Acknowledgment of Receipt of Materials)				
	Printed/typed Name & Title Allied Waste Address and Telephone Number 12976 St. Charles Rock Road Bridgeton, MO 63044		Signature 		Month Day Year 10-12-12
	11. Transporter 2 (Acknowledgment of Receipt of Materials)				
	Printed/typed Name & Title Address and Telephone No.		Signature		Month Day Year
Disposal Site	12. Discrepancy Indication Space				
	13. Waste Disposal Site Owner or Operator: Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.				
	Printed/typed Name & Title David Loar		Signature 		Month Day Year 10 12 12

ASB21222DU3

922407



MISSOURI DEPARTMENT OF NATURAL RESOURCES
 AIR POLLUTION CONTROL PROGRAM
 P.O. BOX 176, JEFFERSON CITY, MO 63102-0176

ASBESTOS NOTIFICATION AMENDMENT # 2
 (Please type information)

FOR OFFICE USE ONLY

PART A CONTRACTOR INFORMATION

1. ASBESTOS ABATEMENT CONTRACTOR NAME GEI			
2. CONTRACTOR STREET ADDRESS 7225 St. Charles Rock Road, Pagedale, MO 63133	CITY	STATE	ZIP
3. MISSOURI REGISTRATION NUMBER 13-06-0350	REGISTRATION EXPIRATION DATE 6/30/2013	TELEPHONE NUMBER 636-928-2500	
		CONTACT PERSON Vicki Dunn-Wolfe	

PART B PROJECT INFORMATION

1. PROJECT SITE NAME Federal Center - Building 107 Crawlspace			
2. PROJECT SITE ADDRESS 4300 Goodfellow, St. Louis, MO 63120	CITY	STATE	ZIP
		TELEPHONE NUMBER 816-823-2227	
3. PROJECT I.D. NUMBER ASSIGNED BY THE MISSOURI DEPARTMENT OF NATURAL RESOURCES A5880-2012			

PART C AMENDMENT INFORMATION (ATTACH ANOTHER SHEET IF NECESSARY)

PROJECT INFORMATION AS NOTIFIED (Example: Start Time: 7:00 a.m.)	AMENDED TO
Work Schedule:	Work Schedule:
Offsite: 10/10/12	10/12/12
Project completed/pending air clearances	Project completed
	Air clearances received

PART D SUPPLEMENTAL INFORMATION (AS NEEDED)

PART E AUTHENTICATION

SIGNATURE OF COMPANY REPRESENTATIVE 	TITLE Office Coordinator
PRINTED OR TYPED NAME Lindsay Dunn	DATE 0/12/12



MISSOURI DEPARTMENT OF NATURAL RESOURCES
 AIR POLLUTION CONTROL PROGRAM
 P.O. BOX 176, JEFFERSON CITY, MO 63102-0176

ASBESTOS NOTIFICATION AMENDMENT # 1
 (Please type information)

FOR OFFICE USE ONLY

PART A CONTRACTOR INFORMATION

1. ASBESTOS ABATEMENT CONTRACTOR NAME GEI				
2. CONTRACTOR STREET ADDRESS 7225 St. Charles Rock Road, Pagedale, MO 63133	CITY	STATE	ZIP	TELEPHONE NUMBER 636-928-2500
3. MISSOURI REGISTRATION NUMBER 13-06-0350	REGISTRATION EXPIRATION DATE 6/30/2013		CONTACT PERSON Vicki Dunn-Wolfe	

PART B PROJECT INFORMATION

1. PROJECT SITE NAME Federal Center - Building 107 Crawlspace				
2. PROJECT SITE ADDRESS 4300 Goodfellow, St. Louis, MO 63120	CITY	STATE	ZIP	TELEPHONE NUMBER 816-823-2227
3. PROJECT I.D. NUMBER ASSIGNED BY THE MISSOURI DEPARTMENT OF NATURAL RESOURCES A5880-2012				

PART C AMENDMENT INFORMATION (ATTACH ANOTHER SHEET IF NECESSARY)

PROJECT INFORMATION AS NOTIFIED (Example: Start Time: 7:00 a.m.)	AMENDED TO
Work Schedule:	Work Schedule:
9/17/12 - 10/10/12	Offsite :10/10/12
Time: 5:00 pm - 12:00 am	Project completed/pending air clearances
Break: 8:30 pm	

PART D SUPPLEMENTAL INFORMATION (AS NEEDED)

PART E AUTHENTICATION

SIGNATURE OF COMPANY REPRESENTATIVE 	TITLE Office Coordinator
PRINTED OR TYPED NAME Lindsay Dunn	DATE 10/10/12



MISSOURI DEPARTMENT OF NATURAL RESOURCES
 AIR POLLUTION CONTROL PROGRAM
 P.O. BOX 176, JEFFERSON CITY, MO 65102-0176
ASBESTOS PROJECT NOTIFICATION

FOR APCP USE ONLY	
DATE RECEIVED	CHECK DATE
CHECK NUMBER	CHECK AMOUNT

PART A. NOTIFICATION INFORMATION

1. TYPE OF NOTIFICATION (CHECK ONE)
 ORIGINAL REVISION CANCELLATION

2. TYPE OF PROJECT NOTIFICATION

160 SQUARE FEET, 260 LINEAR FEET, 35 CUBIC FEET OR MORE OF FRIABLE ASBESTOS MATERIAL INVOLVED*
 LESS THAN 160 SQUARE FEET, 260 LINEAR FEET, OR 35 CUBIC FEET OF FRIABLE ASBESTOS MATERIAL INVOLVED
 DOES THIS PROJECT INVOLVE STRUCTURAL RENOVATION OR DEMOLITION

*NOTE: A NON-REFUNDABLE REVIEW FEE OF \$100 MUST BE SUBMITTED FOR ANY ASBESTOS ABATEMENT PROJECT INVOLVING 160 SQUARE FEET, 260 LINEAR FEET, 35 CUBIC FEET, OR MORE OF FRIABLE ASBESTOS-CONTAINING MATERIAL, AND FOR PLANNED RENOVATION PROJECTS AS DEFINED IN U.S. EPA REGULATION 40 CFR PART 61 SUBPART M.

**THIS NOTIFICATION DOES NOT SATISFY THE REQUIREMENT FOR DEMOLITION NOTIFICATION. USE FORM NUMBER 780-1923 FOR DEMOLITION NOTIFICATION.

MAKE CHECKS PAYABLE TO MISSOURI AIR POLLUTION CONTROL PROGRAM OR THE APPROPRIATE LOCAL AGENCY.

3. IF AN UNSAFE STRUCTURE IS BEING DEMOLISHED UNDER THE ORDER OF A STATE OR LOCAL GOVERNMENT AGENCY, INCLUDE A COPY OF THE UNSAFE BUILDING DECLARATION AND COMPLETE THE FOLLOWING:

A. NAME OF INDIVIDUAL ORDERING DEMOLITION	B. TITLE
C. AUTHORITY OF THE INDIVIDUAL	D. TELEPHONE NUMBER

4. FOR EMERGENCY RENOVATIONS COMPLETE THE FOLLOWING:

A. DATE AND HOUR OF THE EMERGENCY
B. DESCRIPTION OF THE SUDDEN, UNEXPECTED EVENT
C. EXPLANATION OF HOW THE EVENT CAUSED UNSAFE CONDITIONS OR WOULD CAUSE EQUIPMENT DAMAGE OR AN UNREASONABLE FINANCIAL BURDEN

5. IF A WAIVER OF ANY REQUIREMENT IS REQUESTED, INDICATE THE WAIVER DESIRED AND THE JUSTIFICATION FOR SUCH A WAIVER. (USE SUPPLEMENTAL SHEET IF NECESSARY)

A. WAIVER	B. JUSTIFICATION
-----------	------------------

PART B. CONTRACTOR INFORMATION AND AUTHORIZATION

1. ASBESTOS ABATEMENT CONTRACTOR NAME Global Environmental Inc.		
2. CONTRACTOR ADDRESS 7225 St Charles Rock Rd		
3. CITY St Louis	4. STATE MO	5. ZIP CODE 63133
6. MISSOURI REGISTRATION NUMBER 13-06-0350	7. REGISTRATION EXPIRATION DATE 06/30/2013	
8. ON-SITE SUPERVISOR AND CERTIFICATION NUMBER Vicki Dunn 7112112311MOSR2221	9. CONTRACTOR TELEPHONE NUMBER (314) 575-5769	

10a. I CERTIFY THAT AN INDIVIDUAL TRAINED IN THE PROVISIONS OF FEDERAL REGULATION (40 CFR PART 61 SUBPART M) WILL BE ON-SITE DURING THE PROJECT AND PROOF THAT THIS PERSON HAS COMPLETED THE REQUIRED TRAINING WILL BE AVAILABLE FOR INSPECTION BY THE DEPARTMENT.

10b. BY MY SIGNATURE, I ATTEST THAT ALL ASBESTOS ABATEMENT PROCEDURES SHALL BE PERFORMED IN COMPLIANCE WITH ALL APPLICABLE STATE AND FEDERAL REGULATIONS.

10c. I HEREBY CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE AND UNDERSTANDING, THE INFORMATION PROVIDED IN THIS NOTIFICATION IS TRUE AND CORRECT.

11. SIGNATURE [Redacted]	12. DATE 08/30/2012
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13. PRINTED NAME AND TITLE Vicki Dunn, President

PART C. PROJECT DESCRIPTION

1. FACILITY PROJECT NAME 2122063 GSA Heartland Bldg 107 Crawlspace			
2. ADDRESS 4300 Goodfellow Rd, Bldg 107 Crawlspace			
3. PROJECT CITY St Louis	4. COUNTY St Louis	5. STATE MO	6. ZIP CODE 63120
7. OWNER NAME GSA Heartland			
8. OWNER ADDRESS 1500 E Bannister Rd			
9. OWNER CITY Kansas City		10. STATE MO	11. ZIP CODE 64131
12. OWNER CONTACT Dave L. Hartshorn (6PMX)		13. OWNER TELEPHONE NUMBER (816) 823-2227	
14. BUILDING SIZE 90x100	15. NUMBER OF FLOORS 2	16. AGE IN YEARS over 30	
17. PRESENT USE Office		18. PRIOR USE Office	

PART D. ASBESTOS MATERIALS TO BE DISTURBED

1. DESCRIPTION AND QUANTITY OF FRIABLE ASBESTOS MATERIALS TO BE DISTURBED

MATERIAL	SQUARE FEET	LINEAR FEET	CUBIC FEET
Contaminated Soil	9,000		
MATERIAL	SQUARE FEET	LINEAR FEET	CUBIC FEET
MATERIAL	SQUARE FEET	LINEAR FEET	CUBIC FEET
MATERIAL	SQUARE FEET	LINEAR FEET	CUBIC FEET

2. DESCRIPTION AND QUANTITY OF NON-FRIABLE ASBESTOS MATERIALS TO BE DISTURBED

MATERIAL	SQUARE FEET	LINEAR FEET	CUBIC FEET
MATERIAL	SQUARE FEET	LINEAR FEET	CUBIC FEET
MATERIAL	SQUARE FEET	LINEAR FEET	CUBIC FEET
MATERIAL	SQUARE FEET	LINEAR FEET	CUBIC FEET

3. DESCRIBE THE PROCEDURE FOR THE DETECTION OF ASBESTOS CONTAINING MATERIALS INCLUDING THE ANALYTICAL METHOD EMPLOYED. INCLUDE A COPY OF THE ASBESTOS INSPECTION REPORT.

PLM 7400. Copy of inspection report is attached.

PART E. PROJECT SCHEDULE

1. SITE PREPARATION PHASE	START DATE 09/17/2012	COMPLETION DATE 09/18/2012	TIME 12:30am
2. ASBESTOS ABATEMENT PHASE	START DATE 09/19/2012	COMPLETION DATE 10/10/2012	TIME 12:30am
3. DAILY WORK SCHEDULE	START TIME 5:00 pm	QUIT TIME 12:30 AM	LUNCH BREAK 8:30 pm - 9:00 pm

PART F. OTHER MISSOURI CERTIFIED PERSONNEL INVOLVED WITH PROJECT

DISCIPLINE	NAME	CERTIFICATE NUMBER	TELEPHONE
1. AIR SAMPLING PROFESSIONAL	OCCA-TEC (PAT GARCIA)	7031008 MOAS 11347	(816) 719-6149
2. INSPECTOR	OCCA-TEC (PAT GARCIA)	N/A	(816) 719-6149
3. MANAGEMENT PLANNER			
4. PROJECT DESIGNER			

PART G. PROJECT DESCRIPTION

1. DESCRIBE ABATEMENT WORK INCLUDING LOCATION IN BUILDING, PLANNED DEMOLITION/RENOVATION, AND METHODS TO BE USED

Gross removal method in accordance with NESHAP's crawlspace building 107.

2. DESCRIBE WORK PRACTICES AND ENGINEERING CONTROLS TO BE USED TO PREVENT EMISSIONS OF ASBESTOS

Full containment utilizing HEPA filtered negative air pressure.

3. DESCRIBE THE CONTINGENCY PLAN IF UNEXPECTED RACM IS DISCOVERED

Stop work, wet material, cover material, notify owner.

PART H. WASTE DISPOSAL

1. NAME OF WASTE TRANSPORTER

Allied Waste

2. ADDRESS

12976 St Charles Rock Rd

3. CITY

Bridgeton

4. STATE

MO

5. ZIP CODE

63044

6. CONTACT PERSON

N/A

7. TELEPHONE NUMBER

(636) 947-5959

8. WASTE DISPOSAL SITE

ROXANA LANDFILL AUTHORITY

9. ADDRESS

4600 CAHOKIA CREEK RD

10. CITY

ROXANA

11. STATE

IL

12. ZIP CODE

62048

13. CONTACT PERSON

DARLENE WITT

14. TELEPHONE NUMBER

618-656-6912

PART I. SUPPLEMENTAL INFORMATION

1. PROJECT SITE 2122063 GSA HEARTLAND BLDG 107	2. NOTIFICATION DATE 08-30-2012
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3. PART NUMBER	4. ITEM NUMBER
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Michael Blaine, MD ASB SUPERVISOR # 7118050412 MOSR 11560
Chris Townsend, MD ASB SUPERVISOR # 7112100611 MOSR 337
Joseph Dunn, MD ASB SUPERVISOR # 7118050412 MOSR 12086

Job file

Olivette Branch
St Louis, Missouri
631329998
2871440220 -0096
08/30/2012 (800)275-8777 04:46:27 PM

Sales Receipt			
Product Description	Sale Qty	Unit Price	Final Price
JEFFERSON CITY MO 65102			\$6.05
Zone-2 Priority Mail			
2 lb. 1.70 oz.			
Expected Delivery: Sat 09/01/12			
Return Rcpt (Green Card)			\$2.35
Certified			\$2.95
Label #:	70121010000137926509		
Issue PVI:			\$11.35

Total: \$11.35

Paid by:
Debit Card \$11.35
Account #: XXXXXXXXXXXXX5437
Approval #: 130068
Transaction #: 520
23 903070506
Receipt#: 003862

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12 AUG 30 2012
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08/30/2012

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City, State, ZIP+4

PS Form 3800, August 2006 See Reverse for Instructions

Notification
ESA Bldg 107
CRAW/SPACE



STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES

Jeremiah W. (Jay) Nixon, Governor • Sara Parker Pauley, Director

www.dnr.mo.gov

SEP 13 2012

Ms. Vicki Dunn, President
Global Environmental, Incorporated
7225 St. Charles Rock Road
St. Louis, MO 63133

RE: Notice of Receipt

Dear Ms. Dunn:

This letter serves to acknowledge, on September 4, 2012, the Missouri Department of Natural Resources' Air Pollution Control Program (APCP) received your asbestos project notification dated August 30, 2012. This notice applies to abatement of GSA Heartland, Building 107 Crawspace, located at 4300 Goodfellow Road in St. Louis, Missouri. The APCP assigned this notice #A5880-2012.

State and federal regulation require demolition and asbestos project notifications be submitted to this program. However, the APCP is not conducting a detailed review of each notice. It remains the responsibility of the facility owner and the person conducting the activity to maintain compliance with all applicable laws and regulations pertaining to the conduct of demolition, renovation and asbestos projects.

The notice start date is **September 17, 2012**.

Please note, if there are any changes to the project information, an amendment must be sent to the APCP and the St. Louis Regional Office (SLRO) which has jurisdictional responsibility for this project. Please use the enclosed APCP amendment form when submitting changes. The SLRO contact information is as follows: 7545 South Lindbergh Suite 210 in St. Louis, MO 63125. They can also be reached by phone at (314) 416-2960 or fax (314) 416-2970. The regional office staff may conduct a detailed review of this notice, as well as on-site inspections to determine compliance. Please contact the SLRO if you need to discuss your project with department staff.

Please be aware, the City of St. Louis, Department of Health may continue to regulate asbestos projects impacting asbestos containing material in amounts less than those