

SCS ENGINEERS



**ASBESTOS SURVEY
FLINT OIL PROPERTY
500 WEST SIMPSON STREET
TUCSON, ARIZONA**

PROJECT NUMBER: 10204058.21
CITY OF TUCSON CONTRACT NO. 051033-01

Presented to:

CITY OF TUCSON ENVIRONMENTAL SERVICES
100 North Stone Avenue, 2nd Floor
Tucson, Arizona 85701

Presented by:

SCS ENGINEERS
2410 West Ruthrauff Road
Suite 110
Tucson, Arizona 85705

May 1, 2008
File No. 10.204058.21

Offices Nationwide
www.scsengineers.com

SCS ENGINEERS

May 1, 2008
File No. 10.204058.21

Mr. David Barraza
City of Tucson Environmental Services
100 North Stone Avenue, 2nd Floor
Tucson, AZ 85701

Subject: Asbestos Survey Report
Flint Oil Property
500 West Simpson Street
Tucson, Arizona

Project Number: 10204058.21
COT Contract No. 051033-01

Dear Mr. Barraza:

SCS Engineers (SCS) is pleased to submit this Asbestos Survey Report of the former Flint Oil property located at the 500 West Simpson Street in Tucson, Arizona. SCS appreciates the opportunity to assist you with this project. If you have any questions regarding this report, please feel free to contact either of the undersigned at (602) 840-2596.

Sincerely,



Stephen James
Environmental Technician



Bradley F. Johnston, RG
Vice President

SCS ENGINEERS

Attachment

N:\DATA\PROJECTS\204058.21 COT Flint Oil Asbestos Survey\COT Flint Oil ACM_Report BJ.doc



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1	Site Location Map
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1 INTRODUCTION

The City of Tucson Environmental Services (COTES) retained SCS Engineers (SCS) to perform an Asbestos Survey of the former Flint Oil property at 500 West Simpson Street in Tucson, Arizona. An Aerial Site Location Map is included as Figure 1 and a Sample Location Map is included as Figure 2 in Appendix A.

On April 17, 2008, Mr. Stephen and Mr. Brad Johnston of SCS surveyed the structures and concrete platforms for the presence of asbestos-containing materials (ACMs). Mr. James and Mr. Johnston are AHERA-Certified Building Inspectors (accreditation numbers 0272510316 and D10594, respectively). Copies of inspector certifications are provided in Appendix D.

2 METHODOLOGY

BUILDING CONSTRUCTION AND SUSPECT MATERIALS

The property consisted of a former office, vehicle shop, garage storage area, elevated concrete platform, and warehouse. **The former office was not included in the survey.**

The exterior walls and roofs of the warehouse and garage (vehicle shop) buildings were wood frame covered with sheet metal. The walls of the garage (storage) building were concrete. Flooring consisted of bare concrete.

SAMPLE COLLECTION

SAMPLING METHODOLOGY AND LABORATORY ANALYSIS

Asbestos

SCS collected a total of 18 bulk samples of the suspect asbestos-containing materials (ACMs) as listed in Table 1. Samples were collected by spraying the material with water, removing a small portion, and placing it into a plastic bag. Bags were labeled with a unique identification number and logged onto the chain of custody.

Bulk samples were delivered to EMC Laboratories for analysis by Polarized Light Microscopy (PLM). Samples containing multiple layers were individually analyzed by EMC. EMC is fully accredited by the National Voluntary Laboratory Accreditation Program (NVLAP; EMC NVLAP Lab Code: 101926-0) to perform analysis of bulk samples for asbestos using PLM.

3 ANALYTICAL RESULTS

PLM analysis of collected bulk samples did not detect asbestos at concentrations greater than one percent in the materials sampled.

4 CONCLUSIONS

An asbestos survey was performed by SCS for the shop buildings and concrete platform at the former Flint Oil property located at 100 West Simpson Tucson, Arizona. ACMs were not identified in the surveyed structures.

5 LIMITATIONS

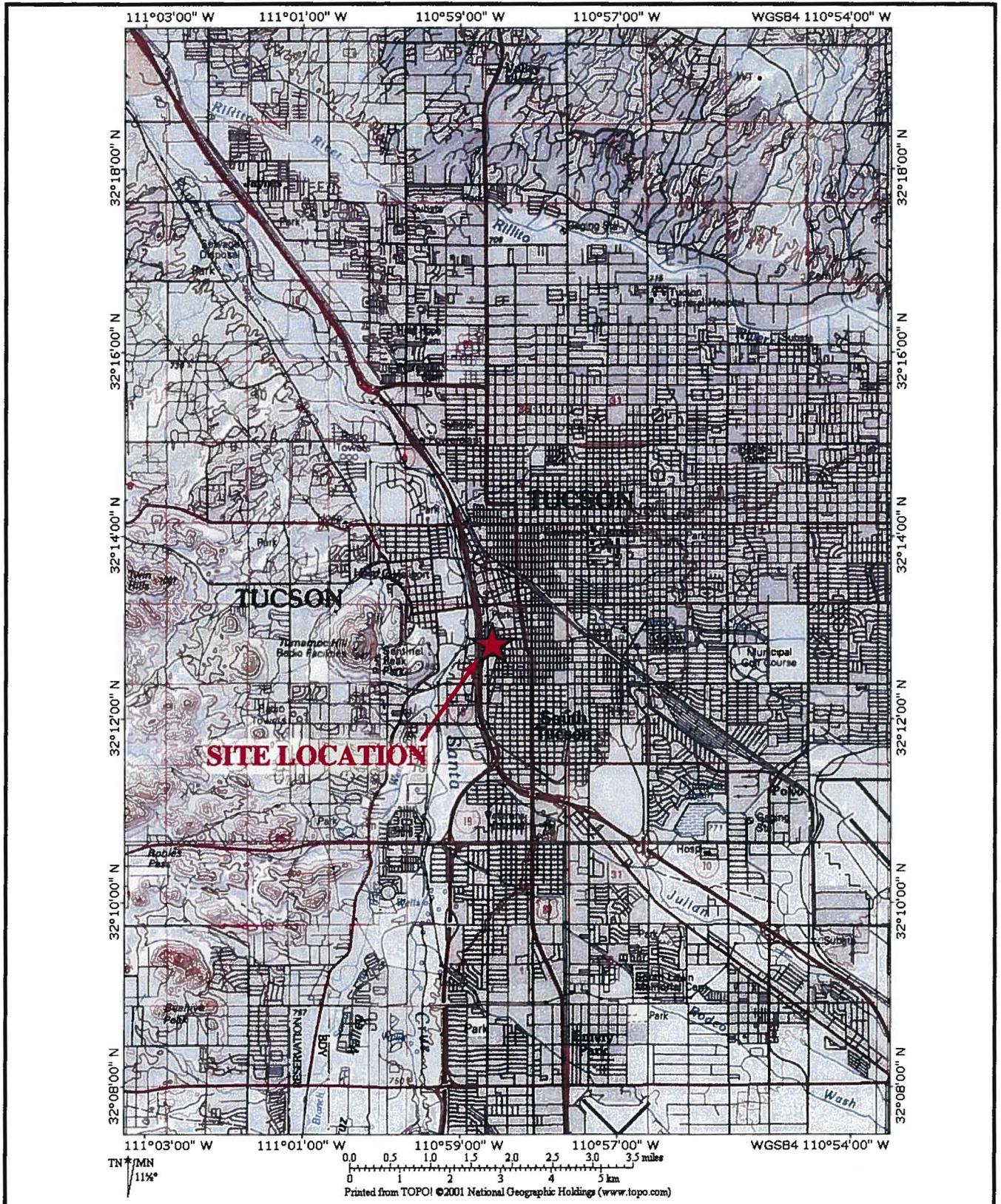
This report has been specifically prepared for use and reliance by the COTES with application to a survey for ACMs for a former industrial site discussed in this report located at 100 West Simpson Street Tucson, Arizona. The report has been prepared in accordance with the care and skill generally exercised by reputable professionals, under similar circumstances, in this or similar localities. No other warranty, either expressed or implied, is made as to the opinions presented herein. Third parties use this report at their own risk. SCS assumes no responsibility for the accuracy of information obtained, compiled, or provided by others.

Hazardous materials present (e.g., trace metals, radon, hydrocarbons, etc.) or asbestiforms naturally occurring in soils and rock at this site were not considered in this survey. It is possible that additional ACMs may be present within wall spaces, attic areas, plenums, electrical panels, mechanical systems, etc. that were not accessible during this survey.

Additional information that was not available to the consultant at the time this survey was conducted or changes that may occur on the site may result in a modification to the conclusions and recommendations presented herein. This report is not a legal opinion.

APPENDICES

APPENDIX A
FIGURES

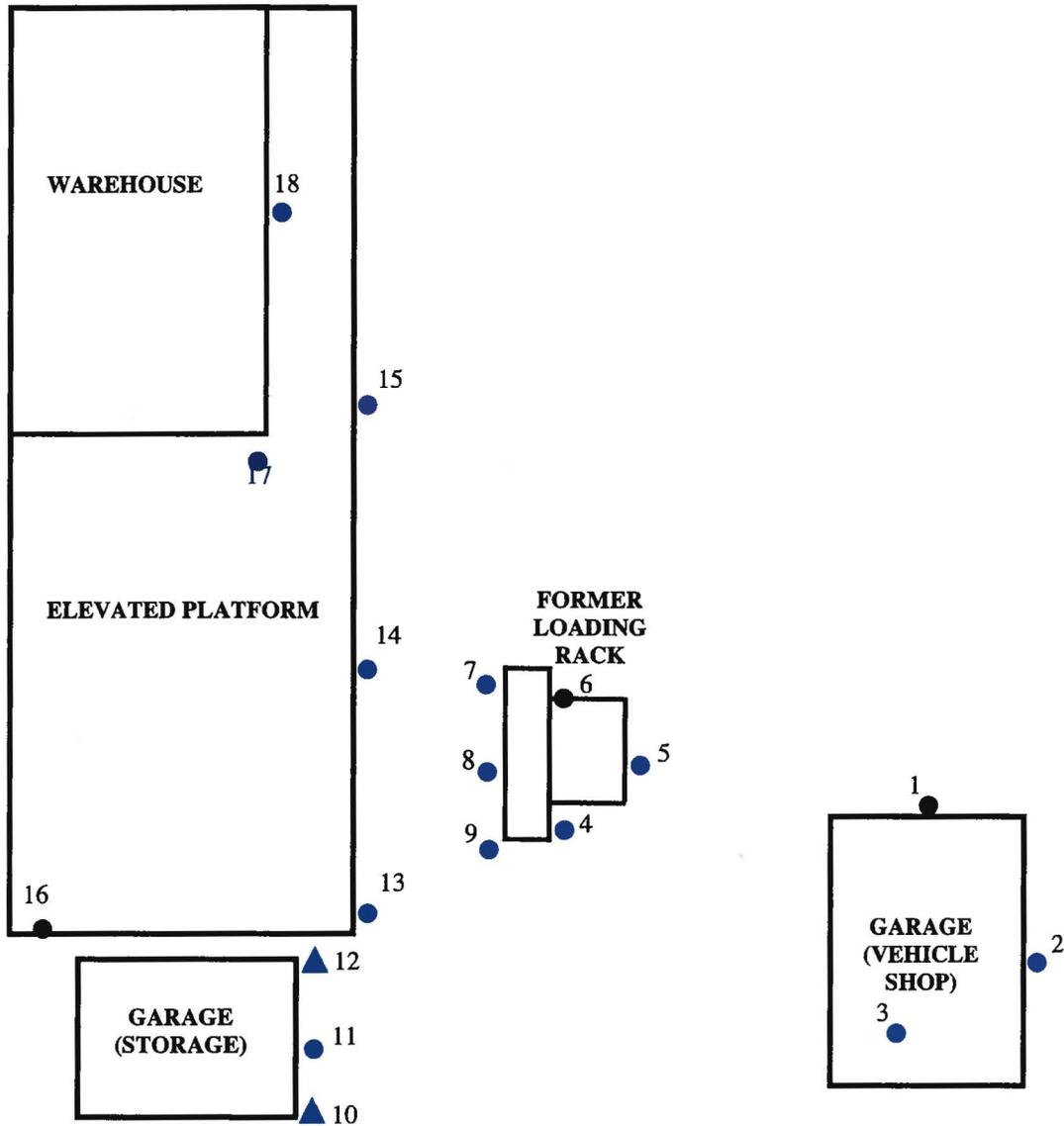


SCS ENGINEERS
"Superior Customer Service"

Site Location Map
 Asbestos Survey
 Flint Oil Property
 500 West Simpson Street
 Tucson, Arizona

Project Number
 10.204058.21

Figure 1



Explanation

- 1 Floor sample locations
- ▲ 2 Wall sample locations



(Not to Scale)

SCS ENGINEERS <i>"Superior Customer Service"</i>	Sample Locations Map City of Tucson Environmental Services Asbestos Survey 100 West Simpson Tucson, Arizona	Project Number: 10204058.21
		Figure 2

APPENDIX B

TABLE

**TABLE 1
SAMPLING SUMMARY**

Sample Numbers	Interior/ Exterior	Material	Location	Estimated Quantity
1, 2, 3	Int	Concrete	Garage (Vehicle Shop)	600 square feet
4, 5, 6	Ext	Concrete	Loading Rack Canopy Walls	210 square feet
7, 8, 9	Ext	Concrete	Loading Rack Canopy Slab	150 square feet
10, 11, 12	Ext	Concrete	Garage (Storage)	600 square feet
13, 14, 15	Ext	Concrete	Top of Elevated Concrete Platform	4560 square feet
16, 17, 18	Ext	Concrete	Side of Elevated Concrete Platform Supports	400 square feet

APPENDIX C

**LABORATORY REPORTS AND CHAIN OF CUSTODY
DOCUMENTATION**

EMC LABS, INC.

9830 S. 51st Street, Suite B109, Phoenix, AZ 85044
Phone: 800-362-3373 or 480-940-5294 - Fax: (480) 893-1726

Laboratory Report
0063743

Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client:	SCS ENGINEERS	Job# / P.O. #:	
Address:	2410 W. RUTHRAUFF RD, STE 110 TUCSON AZ 85705	Date Received:	04/21/2008
Collected:	04/17/2008	Date Analyzed:	04/25/2008
Project Name/	FLINT OIL	Date Reported:	04/25/2008
Address:		EPA Method:	EPA 600/M4-82-020
		Submitted By:	STEPHEN JAMES
		Collected By:	Customer

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0063743-001 FL-1-C	S. SHOP FL N. ENTRANCE	Concrete, Gray	No		Gypsum Quartz Carbonates Binder/Filler 100%
0063743-002 FL-2-C	S. SHOP FL E. ENTRANCE	Concrete, Gray/ Beige	No		Carbonates Quartz Gypsum Binder/Filler 100%
0063743-003 FL-3-C	S. SHOP FLOOR	Concrete, Gray	No		Gypsum Quartz Carbonates Binder/Filler 100%
0063743-004 FL-4-C	CANOPY AREA	Concrete, Gray/ Beige	No		Gypsum Quartz Carbonates Binder/Filler 100%
0063743-005 FL-5-C	CANOPY AREA	Concrete, Lt. Gray	No		Cellulose Fiber <1% Gypsum Quartz Carbonates Binder/Filler 99%
0063743-006 FL-6-C	CANOPY AREA	Concrete, Lt. Gray	No		Gypsum Quartz Carbonates Binder/Filler 100%

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Project Name/	FLINT OIL	Date Reported:	04/25/2008
Address:		EPA Method:	EPA 600/M4-82-020
		Submitted By:	STEPHEN JAMES
		Collected By:	Customer

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0063743-007 FL-7-C	CANOPY SLAB	Concrete, Gray/ Beige	No		Gypsum Quartz Carbonates Binder/Filler 100%
0063743-008 FL-8-C	CANOPY SLAB	Concrete, Gray/ Beige	No		Cellulose Fiber <1% Gypsum Quartz Carbonates Binder/Filler 99%
0063743-009 FL-9-C	CANOPY SLAB	Concrete, Gray/ Beige/ Brown	No		Gypsum Quartz Carbonates Binder/Filler 100%
0063743-010 FL-10-C	GARAGE STORAGE S. WALL	Concrete, Lt. Gray	No		Cellulose Fiber <1% Gypsum Quartz Carbonates Binder/Filler 99%
0063743-011 FL-11-C	GARAGE STORAGE FLOOR	Concrete, Lt. Gray	No		Cellulose Fiber <1% Gypsum Quartz Carbonates Binder/Filler 99%
0063743-012 FL-12-C	GARAGE STORAGE N. WALL	Concrete, Lt. Gray	No		Gypsum Quartz Carbonates Binder/Filler 100%

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Laboratory Report
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Project Name/	FLINT OIL	Date Reported:	04/25/2008
Address:		EPA Method:	EPA 600/M4-82-020
		Submitted By:	STEPHEN JAMES
		Collected By:	Customer

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0063743-013 FL-13-C	PLATFORM SUPPORT S.	Concrete, Lt. Gray	No		Cellulose Fiber <1% Gypsum Quartz Carbonates Binder/Filler 99%
0063743-014 FL-14-C	PLATFORM SUPPORT C.	Concrete, Lt. Gray/ Beige	No		Carbonates Quartz Gypsum Binder/Filler 100%
0063743-015 FL-15-C	PLATFORM SUPPORT N.	Concrete, Lt. Gray	No		Gypsum Quartz Carbonates Binder/Filler 100%
0063743-016 FL-16-C	PLATFORM S.W.	Concrete, Lt. Gray	No		Cellulose Fiber <1% Gypsum Quartz Carbonates Binder/Filler 99%
0063743-017 FL-17-C	PLATFORM WAREHOUSE ADD	Concrete, Lt. Gray/ Gray	No		Cellulose Fiber <1% Gypsum Quartz Carbonates Binder/Filler 99%
0063743-018 FL-18-C	PLATFORM NORTH	Concrete, Lt. Gray/ Beige	No		Gypsum Quartz Carbonates Binder/Filler 100%

EMC LABS, INC.

9830 S. 51st Street, Suite B109, Phoenix, AZ 85044
Phone: 800-362-3373 or 480-940-5294 - Fax: (480) 893-1726

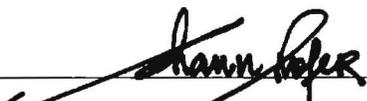
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Project Name/	FLINT OIL	Date Reported:	04/25/2008
Address:		EPA Method:	EPA 600/M4-82-020
		Submitted By:	STEPHEN JAMES
		Collected By:	Customer

Lab ID	Sample	Layer Name /	Asbestos	Asbestos Type	Non-Asbestos
Client ID	Location	Sample Description	Detected	(%)	Constituents



Analyst - Johann Hofer



Signatory - Lab Director - Kurt Kettler

Distinctly stratified, easily separable layers of samples are analyzed as subsamples of the whole and are reported separately for each discernable layer. All analyses are derived from calibrated visual estimate and measured in weight percent unless otherwise noted. The report applies to the standards or procedures identified and to the sample(s) tested. The test results are not necessarily indicative or representative of the qualities of the lot from which the sample was taken or of apparently identical or similar products, nor do they represent an ongoing quality assurance program unless so noted. These reports are for the exclusive use of the addressed client and that they will not be reproduced wholly or in part for advertising or other purposes over our signature or in connection with our name without special written permission. The report shall not be reproduced except in full, without written approval by our laboratory. The samples not destroyed in testing are retained a maximum of thirty days. The laboratory measurement of uncertainty for the test method is approximately <1% by weight. Accredited by the National Institute of Standards and Technology, Voluntary Laboratory Accreditation Program for selected test method for asbestos. The accreditation or any reports generated by this laboratory in no way constitutes or implies product certification, approval, or endorsement by the National Institute of Standards and Technology. The report must not be used by any entity to claim product endorsement by NVLAP or any agency of the U.S. Government. Polarized Light Microscopy may not be consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials.

EMC Laboratories
 9830 S. 51ST St., Ste B-109
 Phoenix, AZ 85044
 (800) 362-3373 Fax (480) 893-1726

TAT:
 Rec'd:
 EMC USE ONLY

COMPANY NAME: SCS ENGINEERS
2410 W. Ruthrauff Rd, Ste 110
Tucson, AZ 85705
 CONTACT: Pat Hartshorne
 Phone/Fax: (520) 696-1617 / (520) 696-1618
 mail: phartshorne@scaengineers.com

BILL TO: _____ (If Different Location)
SAME

Low Accepting: **VISA - MASTERCARD** Price Quoted: \$ _____ / Sample \$ _____ / Layers

COMPLETE ITEMS 1-4: (Failure to complete any items may cause a delay in processing or analyzing your samples)

1. **TURNAROUND TIME:** [4hr rush] [8hr rush] [1-Day] [2-Day] [3-Day] [5-Day] [8-10 Day] Normal

***Prior confirmation of turnaround time is required
 ***Additional charges for rush analysis (please call marketing department for pricing details)
 ***Laboratory analysis may be subject to delay if credit terms are not met

2. **TYPE OF ANALYSIS:** (Bulk-PLM) [Air-PCM] [Lead] [Point Count] [Fungi: AOC, W-C, Bulk, Swab, Tape]

3. **DISPOSAL INSTRUCTIONS:** [Dispose of samples at EMC] / [Return samples to me at my expense]
 (If you do not indicate preference, EMC will dispose of samples 60 days from analysis.)

4. Project Name: _____
 P.O. Number: _____ Project Number: _____

EMC SAMPL E #	CLIENT SAMPLE #	DATE & TIME SAMPLED	LOCATION/MATERIAL TYPE	Samples Accepted Yes / No	AIR SAMPLE INFO / COMMENTS		
					ON	OFF	FLOW RATE
FL-1-C		4-17-08 15:12	South Shop Floor North Entrance Concrete	Y N			
FL-2-C		4-17-08 15:15	South Shop Floor East Entrance	Y N			
FL-3-C		4-17-08 15:20	South Shop Floor	Y N			
FL-4-C		4-17-08 15:35	Canopy Area	Y N			
FL-5-C		4-17-08 15:45		Y N			
FL-6-C		4-17-08 15:50		Y N			
FL-7-C		4-17-08 15:55	Canopy Shop	Y N			
FL-8-C		4-17-08 15:59		Y N			
FL-9-C		4-17-08 16:01		Y N			
FL-10-C		4-17-08 16:03	Garage Storage S.Wall	Y N			
FL-11-C		4-17-08 16:05	Garage Storage Floor	Y N			
FL-12-C		4-17-08 16:10	Garage Storage N.Wall	Y N			
FL-13-C		4-17-08 16:13	Platform Support S.	Y N			
FL-14-C		4-17-08 16:16	Platform Support C.	Y N			
FL-15-C		4-17-08 16:19	Platform Support N.	Y N			

SPECIAL INSTRUCTIONS: _____
 Sample Collector: (Print) Stephen James (Signature) Stephen James
 Relinquished by: _____ Date/Time: _____ Received by: _____ Date/Time: _____
 Relinquished by: _____ Date/Time: _____ Received by: _____ Date/Time: _____
 Relinquished by: _____ Date/Time: _____ Received by: _____ Date/Time: _____

*** In the event of any dispute between the above parties for these services or otherwise, parties agree that jurisdiction and venue will be in Phoenix, Arizona and prevailing party will be entitled to attorney's fees and court costs.

Skipped FX 105

EMC Laboratories
 9830 S. 51ST St., Ste B-109
 Phoenix, AZ 85044
 (800) 362-3373 Fax (480) 893-1726

TAT:
 Rec'd:
 EMC USE ONLY

COMPANY NAME: SCS ENGINEERS
2410 W. Ruthrauff Rd, Ste 110
Tucson, AZ 85705
 CONTACT: Pat Hartshome
 Phone/Fax: (520) 696-1617 / (520) 696-1618
 Email: phartshome@scsengineers.com

BILL TO: (If Different Location)

SAME

Payment Accepting: VISA - MASTERCARD Price Quoted: \$ _____ / Sample \$ _____ / Layers

COMPLETE ITEMS 1-4: (Failure to complete any items may cause a delay in processing or analyzing your samples)

TURNAROUND TIME: [4hr rush] [8hr rush] [1-Day] [2-Day] [3-Day] [5-Day] [8-10 Day]

*Prior confirmation of turnaround time is required

*Additional charges for rush analysis (please call marketing department for pricing details)

*Laboratory analysis may be subject to delay if credit terms are not met

TYPE OF ANALYSIS: Bulk-PLM Air-PCM Lead Point Count Fungi: AOC, W-C, Bulk, Swab, Tape

DISPOSAL INSTRUCTIONS: Dispose of samples at EMC / Return samples to me at my expense

(If you do not indicate preference, EMC will dispose of samples 60 days from analysis.)

4. Project Name: _____

P.O. Number: _____ Project Number: _____

EMC SAMPL E #	CLIENT SAMPLE #	DATE & TIME SAMPLED	LOCATION/MATERIAL TYPE	Samples Accepted Yes / No	AIR SAMPLE INFO / COMMENTS		
					ON	OFF	FLOW RATE
	FL-16-C	4-17-08 14:25	Platform 5-16 Concrete	Y N			
	FL-17-C	4-17-08 16:30	Platform Waste house add	Y N			
	FL-18-C	4-17-08 16:35	Platform North	Y N			
				Y N			
				Y N			
				Y N			
				Y N			
				Y N			
				Y N			
				Y N			
				Y N			
				Y N			
				Y N			
				Y N			

SPECIAL INSTRUCTIONS:

Sample Collector: (Print) Stephen James (Signature) Stephen James

Relinquished by: _____ Date/Time: _____ Received by: _____ Date/Time: _____

Relinquished by: _____ Date/Time: _____ Received by: _____ Date/Time: _____

Relinquished by: _____ Date/Time: _____ Received by: _____ Date/Time: _____

** In the event of any dispute between the above parties for these services or otherwise, parties agree that jurisdiction and venue will be in Phoenix, Arizona and prevailing party will be entitled to attorney's fees and court costs.

APPENDIX D
AHERA CERTIFICATIONS

THE ASBESTOS INSTITUTE

Certifies that

Brad Johnston

has attended the EPA approved course

**AHERA Refresher
Building Inspector
*August 3, 2007***

and successfully passed the competency exam.

Date of Examination: *August 3, 2007*

Date of Expiration: *August 3, 2008*



Director

Approved Instructor

THE ASBESTOS INSTITUTE
8102 North 23rd Avenue
Suite A
Phoenix, AZ 85021-4962
602-864-6564

ETC Compliance Solutions Inc.

5677 E. Speedway Blvd. Tucson, Arizona 85712

520-321-1999 / 602-923-9673

Certificate of Completion

ASBESTOS BUILDING INSPECTOR REFRESHER

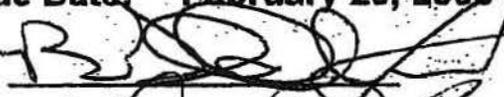
This is to certify that the following individual has passed a competency exam meeting the requisite training for asbestos accreditation under TSCA Title II
ETC Compliance Solutions is accredited by the State of Texas
License # 00-0076

Steve James

XXX-XX-8019

Training: February 20, 2008
Expiration: February 20, 2009
Certificate: 0272510316
Issue Date: February 20, 2008



Instructor: 

Training Director: 