

# STOCKTON ENVIRONMENTAL

## ASBESTOS SURVEY

*CONDUCTED AT:*

**San Joaquin Delta College**

5151 Pacific Avenue  
Stockton, CA 95207

**Shima Building**  
**Room 134 Courtyard**  
**(Kilns)**

*PREPARED FOR:*

**Stacy Pinola**  
5151 Pacific Avenue  
Stockton, CA 95207

*PREPARED BY:*

**Stockton Environmental**  
*Report No. 013.11*  
*02/22/11*

## TABLE OF CONTENTS

---

---

### **Stockton Environmental Inspection Report**

---

Executive Summary	Page 3
Survey Methodology	Page 3 - 4
Laboratory Results	Page 4 - 5
Recommendations	Page 5
Exclusions and Report Limitations	Page 5

### **APPENDICES**

---

Site Diagram	Appendix A
PLM Laboratory Report	Appendix B
Certification	Appendix C

## **EXECUTIVE SUMMARY**

---

### **Introduction:**

On February 19, 2011 **Stockton Environmental (SE)** performed an inspection for Asbestos-Containing Building Materials (ACBM). The inspection was conducted at the project site identified as San Joaquin Delta College, Shima 134 Courtyard (Kilns).

**SE's** inspection services were conducted at the request of Ms. Stacy Pinola of San Joaquin Delta College. The inspection focused on the bricks associated with the three kilns located along the west wall of the courtyard.

Asbestos consulting services were conducted for **Stockton Environmental** by Mr. Dwayne G. McAllister, an EPA accredited, Cal-OSHA Certified Asbestos Consultant, certificate number **92-0213**.

### **Scope of Services:**

**SE's** inspection services were conducted to identify the presence of any Regulated Asbestos Containing Materials (RACM) within the specified scope in accordance with the Federal Environmental Protection Agency Regulation 40 CFR Part 763.85 and the San Joaquin Valley Air Quality Management District's (SJVAQMD) Asbestos Notification and Inspection Requirements.

### **Site Description:**

The kilns are comprised of bricks of similar size but different colors.

### **Summary of Findings**

**SE's** inspection of the subject site collected a total of **ten (10)** samples for analysis. The following summarizes the materials found to be asbestos-containing during this investigation.

**None of the materials collected were found to contain asbestos.**

## **SURVEY METHODOLOGY**

---

### **Sample Collection:**

An initial walk through of the subject site was conducted to identify homogeneous suspect asbestos building materials and their respective locations. This information was then used to develop a sample collection strategy.

Samples were collected by pre-wetting sample areas, then cutting or scraping the sample from the substrate with an appropriate sampling tool. Whenever possible, samples were collected from areas previously damaged or deteriorating. To avoid potential

contamination due to unknown asbestos content; no building systems, components, or structures were demolished to obtain samples of potentially hidden ACBM.

Each suspect bulk sample was sealed in its own zip lock plastic container and labeled with a unique identification number. Sampling tools were individually cleaned before and after each sample was collected to avoid sample cross contamination. Decontamination was accomplished using single use, pre-moistened cloths.

Samples were recorded on SE's in-house chain-of-custody form. This form accompanied the samples to EMSL Analytical Inc. (EMSL) located in San Leandro California. EMSL is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for analysis of bulk building material samples for asbestos.

### **Sample Analysis:**

To determine asbestos content, the samples were submitted for analysis. Suspect asbestos samples were subjected to analysis by polarized light microscopy (PLM). Bulk sample analysis was conducted in accordance with the EPA's "Test Method for the Determination of Asbestos in Bulk Building Materials, EPA/600/R-93/116, 1993.

## **ASBESTOS LABORATORY RESULTS**

The following table provides an **inventory of the suspect asbestos-containing building materials** identified during SE's inspection of the subject site. The table provides each of the homogenous materials, sample identification number and corresponding laboratory result.

<b>Sample No.</b>	<b>Suspect Asbestos Material Specific Location</b>	<b>Asbestos Content Percent by Weight</b>
01.013.01	Firebrick - Yellow R Kiln (north)	None Detected
02.013.02	Firebrick - White R Kiln (north)	None Detected
03.013.03	Firebrick - Red R Kiln (north)	None Detected
04.013.04	Firebrick - Yellow C Kiln (center)	None Detected
05.013.05	Firebrick - White C Kiln (center)	None Detected
06.013.06	Firebrick - Red C Kiln (center)	None Detected
07.013.07	Firebrick - Orange L Kiln (south)	None Detected
08.013.08	Firebrick - Yellow L Kiln (south)	None Detected

Sample No.	Suspect Asbestos Material Specific Location	Asbestos Content Percent by Weight
09.013.09	Firebrick - Yellow Flat L Kiln (south)	None Detected
09.013.10	Brick 10" x 10" - Yellow Base Brick	None Detected

## **RECOMMENDATIONS**

**SE** recommends that you:

Although no asbestos containing materials were found during this investigation. If suspect materials are discovered (not identified in this report) during future demolition/renovation operations, all general work activities which could impact the discovered suspect ACBM should cease until confirmation sampling can be conducted.

## **EXCLUSIONS AND REPORT LIMITATIONS**

The information contained in this report is limited to those areas and suspect materials found to be visually accessible through reasonable means.

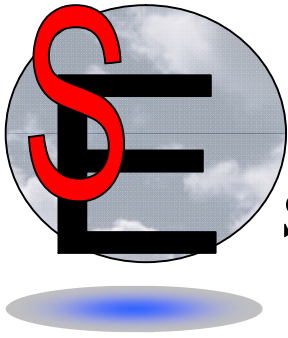
**SE** conducted a non-destructive survey. Limited demolition of building materials was conducted to determine the presence of asbestos in wall cavities, chases or other inaccessible areas. **SE** cannot warrant that these areas do not contain ACBM's in locations other than those noted in this report; however, a good faith effort was made to conduct a comprehensive survey.

- **This report is not represented as, nor is it intended to be, an asbestos abatement scope of work or project specification.**

Thank you for using **Stockton Environmental** please feel free to contact me with any questions regarding this report at **(209) 405-3543**.

Respectfully,  
*Dwayne G McAllister*  
 \_\_\_\_\_  
 Dwayne G. McAllister  
 Cal-OSHA Certified Asbestos Consultant  
 Certification #92-0213

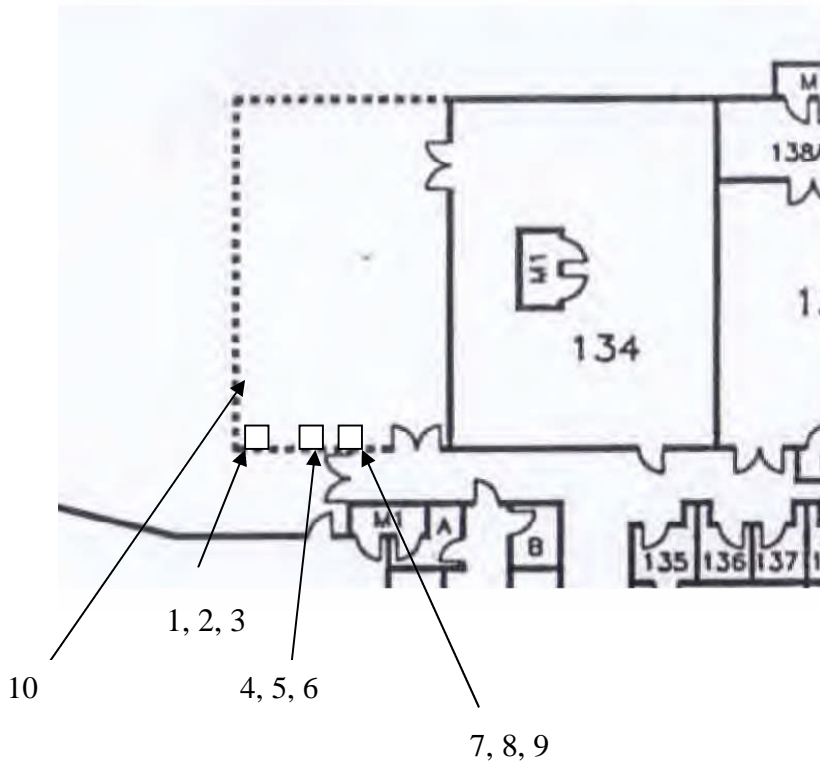
# **Appendix A**



# STOCKTON ENVIRONMENTAL

Stockton Environmental  
# 013.11

## Sample Location Map



# **Appendix B**





**EMSL Analytical, Inc**

2235 Polvorosa Ave , Suite 230, San Leandro, CA 94577

Phone: (510) 895-3675 Fax: (510) 895-3680 Email: [milpitaslab@emsl.com](mailto:milpitaslab@emsl.com)

Attn: **Dwayne McAllister**  
**Stockton Environmental**  
**319 East Banbury Drive**  
**Stockton, CA 95207**

Customer ID: STCK78  
Customer PO:  
Received: 02/20/11 10:38 AM  
EMSL Order: 091101620

Fax: (209) 451-3017 Phone: (209) 981-5453

EMSL Proj:  
Analysis Date: 2/21/2011

Project: **SJDC**  
**Shima 134 Kilns**

**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**


Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
1- Fire Brick <i>091101620-0001</i>	Kiln - R	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	<b>None Detected</b>
2- Fire Brick <i>091101620-0002</i>	Kiln - R	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	<b>None Detected</b>
3- Fire Brick <i>091101620-0003</i>	Kiln - R	Red Non-Fibrous Homogeneous		100% Non-fibrous (other)	<b>None Detected</b>
4- Fire Brick <i>091101620-0004</i>	Kiln - C	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	<b>None Detected</b>
5- Fire Brick <i>091101620-0005</i>	Kiln - C	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	<b>None Detected</b>
6- Fire Brick <i>091101620-0006</i>	Kiln - C	Red Non-Fibrous Homogeneous		100% Non-fibrous (other)	<b>None Detected</b>
7- Fire Brick <i>091101620-0007</i>	Kiln - L	Orange Non-Fibrous Homogeneous		100% Non-fibrous (other)	<b>None Detected</b>

Initial report from 02/21/2011 13:54:10

Analyst(s)  

---

*Joseph McInerney (10)*

---

Baojia Ke, Laboratory Manager  
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. Samples reported as <1% or none detected may require additional testing by TEM to confirm asbestos quantities. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted.  
Samples analyzed by EMSL Analytical, Inc 2235 Polvorosa Ave , Suite 230, San Leandro CA NVLAP Lab Code 101048-3, MA AA000201, WA C2007



**EMSL Analytical, Inc**

2235 Polvorosa Ave , Suite 230, San Leandro, CA 94577

Phone: (510) 895-3675 Fax: (510) 895-3680 Email: [milpitaslab@emsl.com](mailto:milpitaslab@emsl.com)

Attn: **Dwayne McAllister**  
**Stockton Environmental**  
**319 East Banbury Drive**  
**Stockton, CA 95207**

Customer ID: STCK78  
Customer PO:  
Received: 02/20/11 10:38 AM  
EMSL Order: 091101620

Fax: (209) 451-3017 Phone: (209) 981-5453  
Project: **SJDC**  
**Shima 134 Kilns**

EMSL Proj:  
Analysis Date: 2/21/2011

**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**


Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
8- Fire Brick <i>091101620-0008</i>	Kiln - L	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	<b>None Detected</b>
9- Fire Brick <i>091101620-0009</i>	Kiln - L	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	<b>None Detected</b>
10- Base Brick <i>091101620-0010</i>	Base brick	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	<b>None Detected</b>

Initial report from 02/21/2011 13:54:10

Analyst(s)  

---

*Joseph McInerney (10)*

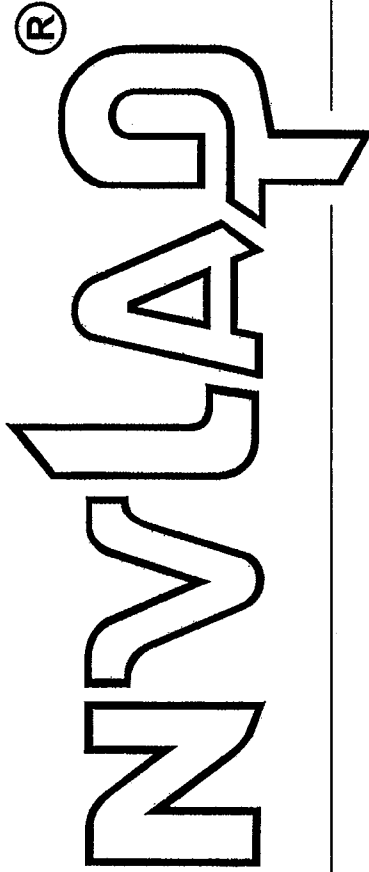
---

Baojia Ke, Laboratory Manager  
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. Samples reported as <1% or none detected may require additional testing by TEM to confirm asbestos quantities. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted.  
Samples analyzed by EMSL Analytical, Inc 2235 Polvorosa Ave , Suite 230, San Leandro CA NVLAP Lab Code 101048-3, MA AA000201, WA C2007

# Appendix C

United States Department of Commerce  
National Institute of Standards and Technology



---

## Certificate of Accreditation to ISO/IEC 17025:2005

---

NVLAP LAB CODE: 101048-3

**EMSL Analytical, Inc.**  
San Leandro, CA

is accredited by the National Voluntary Laboratory Accreditation Program for specific services,  
listed on the Scope of Accreditation, for:

### **AIRBORNE ASBESTOS FIBER ANALYSIS**

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.  
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality  
management system (refer to joint ISO-IAC-IAF Communiqué dated January 2009).*

2010-07-01 through 2011-06-30

Effective dates



*Dolly A. Bruce*

For the National Institute of Standards and Technology



**National Voluntary  
Laboratory Accreditation Program**



**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005**

**EMSL Analytical, Inc.**  
2235 Polvorosa Avenue, Suite 230  
San Leandro, CA 94577  
Baojia Ke, Ph.D.  
Phone: 510-895-3675 Fax: 510-895-3680  
E-Mail: [ssiegel@emsl.com](mailto:ssiegel@emsl.com)  
URL: <http://www.emsl.com>

**AIRBORNE ASBESTOS FIBER ANALYSIS (TEM)**

**NVLAP LAB CODE 101048-3**

***NVLAP Code    Designation / Description***

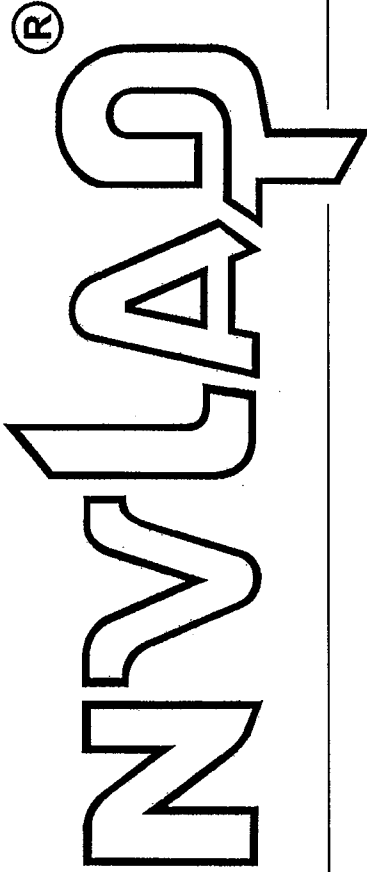
18/A02      U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.

2010-07-01 through 2011-06-30

*Effective dates*

*Sally S. Bruce*  
For the National Institute of Standards and Technology

United States Department of Commerce  
National Institute of Standards and Technology



---

# Certificate of Accreditation to ISO/IEC 17025:2005

---

NVLAP LAB CODE: 101048-3

**EMSL Analytical, Inc.**  
San Leandro, CA

is accredited by the National Voluntary Laboratory Accreditation Program for specific services,  
listed on the Scope of Accreditation, for:

## **BULK ASBESTOS FIBER ANALYSIS**

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.  
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality  
management system (refer to joint ISO-ILAC-IAF Communiqué dated January 2009).*

2010-07-01 through 2011-06-30

Effective dates



*Dolly S. Bruce*

For the National Institute of Standards and Technology



**National Voluntary  
Laboratory Accreditation Program**



**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005**

**EMSL Analytical, Inc.**  
2235 Polvorosa Avenue, Suite 230  
San Leandro, CA 94577  
Baojia Ke, Ph.D.  
Phone: 510-895-3675 Fax: 510-895-3680  
E-Mail: [ssiegel@emsl.com](mailto:ssiegel@emsl.com)  
URL: <http://www.emsl.com>

**BULK ASBESTOS FIBER ANALYSIS (PLM)**

**NVLAP LAB CODE 101048-3**

***NVLAP Code      Designation / Description***

18/A01      EPA-600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples

2010-07-01 through 2011-06-30

*Effective dates*

*For the National Institute of Standards and Technology*

DEPARTMENT OF INDUSTRIAL RELATIONS

Division of Occupational Safety and Health

Asbestos Unit

2211 Park Towne Circle, Suite 1

Sacramento, CA 95825-0414

(916) 574-2993 Office (916) 483-0572 Fax

<http://www.dir.ca.gov/dir/databases.html> [actu@dir.ca.gov](mailto:actu@dir.ca.gov)

502073746C

275

Stockton Environmental

Randolph Lewis Brooke

319 E. Banbury Drive

Stockton

' CA 95207

January 25, 2011

Dear Certified Asbestos Consultant or Technician:

Enclosed is your certification card. **To maintain your certification, you must abide by the rules printed on the back of the certification card.**

Your certification is valid for a period of one year. If you wish to renew your certification, you must apply for renewal at least 60 days before the expiration date shown on your card. [8 CCR 341.15(h)(1)].

Please hold and do not send copies of your required AHERA refresher renewal certificates to our office until you apply for renewal of your certification.

Certificates must be kept current if you are actively working as a CAC or CSST. The grace period is only for those who are not actively working as an asbestos consultant or site surveillance technician.

Please inform our office at the above address, fax number or email; of any changes in your contact/mailling information within 15 days of the change.

Sincerely,

A handwritten signature in black ink, appearing to read "Jeff Ferrell".

Jeff Ferrell

Senior Industrial Hygienist

Attachment: Certification Card

cc: File

