MONITORING SERVICES DURING ASBESTOS AND LEAD REMOVAL WORK

Roosevelt Elementary School
801 Montana Avenue
Santa Monica, California 90405

Prepared for:

Santa Monica-Malibu Unified School District
1651 Sixteenth Street
Santa Monica, California 90404

Project No.: SMSD-17-6800
Date: September 28, 2017

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EXECUTIVE SUMMARY

Alta Environmental (Alta) conducted monitoring and air sampling services during asbestos and lead-based paint removal completed at Roosevelt Elementary School located at 801 Montana Avenue, Santa Monica, California 90405. The monitoring was conducted from June 12, 2017 through July 13, 2017 by Alta representatives Gustavo Sanchez and Geoffrey Mere. Alta completed the following activities during the project:

- Monitoring services during all asbestos and lead related work
- Air sampling during the asbestos and lead related work
- Final visual inspection and clearance testing at the completion of the asbestos and lead related work, as needed

During this project, asbestos abatement removal was completed in specified areas of the campus. Various sizes and colors of asbestos containing floor tile and mastic were removed. Following removal activities, the areas were inspected by the Contractor and an Alta representative; each area was found to be acceptably clean. Clearance air sampling was then conducted in accordance with AHERA protocols. The areas were released to the Contractor for demobilization when the results of the clearance samples were reported to be below the EPA recommended clearance levels for area re-occupancy by non-protected personnel following an asbestos response action. The project was limited to the removal of ACM flooring materials including floor tiles, sheet vinyl, and carpeted floors. Other identified ACMs remain on this campus. All construction material should be assumed to contain asbestos until the materials are verified for asbestos content by reviewing the Asbestos Management Plan Record.

During this project, minor planned disturbances to lead-based paints was completed. These disturbances included the stabilization of damaged loose and flaky paint for preparation for repainting. The work was completed using proper engineering controls including barriers signs, drop floors, and a worker decontamination facility. The areas were released for re-occupancy by non-protected personnel upon passing of a thorough visual inspection conducted by the Contractor Supervisor and Alta representative. Alta collected representative surface lead wipe samples following the stabilization work. Results of all samples collected were reported to be below the clearance criteria established for this project. LBP remains on this campus. Any future disturbance to LBP shall be conducted using proper engineering controls, work protections, and proper waste disposal.

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CONTENTS

Appendices

REPORTED: September 28, 2017 **PROJECT NO.:** SMSD-17-6800

CLIENT: Santa Monica-Malibu Unified School District
1651 Sixteenth Street
Santa Monica, California 90404

ATTENTION: Mr. Chris Emmett

REF: Monitoring Services During Asbestos and Lead-Based Paint Removal Work
Roosevelt Elementary School
801 Montana Avenue
Santa Monica, California 90405

1 INTRODUCTION

Alta Environmental (Alta) conducted monitoring and air sampling services during asbestos and lead-based paint removal completed at Roosevelt Elementary School located at 801 Montana Avenue, Santa Monica, California 90405.

2 PROJECT BACKGROUND

2.1 Alta Monitoring and Sampling

The Santa Monica-Malibu Unified School District retained Alta for the monitoring services. The monitoring was conducted from June 12, 2017 through July 13, 2017 by Alta representatives Gustavo Sanchez and Geoffrey Mere, both Cal-OSHA Certified Site Surveillance Technician, Certified Asbestos Consultant and California Department of Public Health Certified Inspector Assessor and Project Monitors Alta completed the following activities during the project:

- Monitoring services during all asbestos and lead related work,
- Air sampling during the asbestos and lead related work,
- Final visual inspection and clearance testing at the completion of the asbestos and lead related work, as needed.

2.2 Asbestos and Lead Related Work

The asbestos and lead removal work was completed by A&V Contractors, Inc. (DOSH #643) located in Fullerton, California.

A&V removal scope of work included the following:

1. ACM 12-inch grey speckled floor tile with black mastic, dark carpet with mastic, Rooms 18, 19, 20, 21, Building B

2. ACM-Black floor mastic, Rooms 18, 19, 20, 21 (in HVAC rooms), Building B
3. Black residual mastic, brown sheet vinyl flooring with mastic and brown floor tile with mastic, Rooms 9, 10, 11, 12, and room 302, Building C,
4. ACM-04" black cove base with glue, 9-inch brown with dark brown streaks floor tile and mastic, Room 406, teachers dining room, Building D,
5. ACM-9-inch brown floor tile and black residual mastic, Rooms 8, 14, 15, 16, 17 (under carpet), Building E,
6. ACM-9-inch red tile with black mastic and black residual mastic (under carpet), principal office (in closet), and room 3, Building J, and
1. LBP, damaged paint stabilization, all interior and exterior identified painted components listed in the Abatement Plan prepared for this project.

3 FIELD AND ANALYTICAL METHODOLOGY

3.1 Asbestos Fiber Analysis

Alta collected air samples during the asbestos related work using high and low-flow air sampling pumps. The flow rate of each pump was checked before and after each use with a calibrated precision rotameter. Air samples collected during asbestos clean-up activities were analyzed in accordance with National Institute of Occupational Safety and Health (NIOSH) Method 7400 (PCM), which specifies the equipment and procedures for mounting, measuring, and counting fibers to determine airborne fiber concentrations.

3.2 Asbestos-Bulk Sampling

Unforeseen floor tile and mastic material was discovered during removal of carpet flooring in Building J Room 4, and Building G, Counselors Office. Samples of the suspect ACM were collected. The sampling was conducted using guidelines set forth in *Federal Register 40 CFR Part 763*. Alta Environmental conducted an initial walkthrough of the Site to develop a listing and sampling scheme of suspect materials. Samples were placed in sealable sample containers and assigned a unique sample identification number.

Bulk samples collected from the Site were subsequently analyzed by polarized light microscopy (PLM) for asbestos content in accordance with the United States Environmental Protection Agency's (USEPA) *Determination of Asbestos in Bulk Building Materials: EPA/600/R-93/116, July 1993*, at AQ Environmental Laboratories located in Signal Hill, California. a laboratory accredited by the National Voluntary Laboratory Accreditation Program.

3.3 Lead Wipe Sample Analysis

Alta collected representative wipe samples following the lead related work. The samples were analyzed in accordance with NIOSH Method 7082 by AQ Laboratories located in Signal Hill, California, a laboratory accredited by the Environmental Laboratory Accreditation Program (ELAP).\

4 MONITORING AND RESULTS

4.1 Monitoring

Alta representatives were on site during the removal work to document the work completed by the contractor.

Alta documented that the removal of specified asbestos containing materials was completed using an appropriate containment which included critical barriers, temporary negative pressure differential and a worker decontamination facility. Asbestos removal was completed using approved procedures designed for this project. Worker protection included disposable clothing, ½ face air purifying respirators equipped with HEPA P100 filters.

Alta documented that the lead related work was completed using approved work procedures such as critical barriers, drop floors, signs, and a worker decontamination facility. The damage paint was stabilized and encapsulated for repainting by others. Worker protection included disposable clothing, ½ face air purifying respirators equipped with HEPA P100 filters

Asbestos and lead waste generated during this project was disposed property at an approved waste disposal facility.

5 RESULTS

5.1 Asbestos Fiber Results

Results of representative samples collected during the project were reported below 0.01 fiber per centimeter square, the level recommended by the Environmental Protection Agency (EPA) for area re-occupancy following an asbestos response action.

5.2 TEM Results

For work areas where greater than 160 square feet of asbestos containing flooring materials were removed, a minimum of five air samples from inside the work area were collected. The samples were analyzed using Transmission Electron Microscopy (TEM). The laboratory results were reported as “No Structures Detected”. These results are below the arithmetic mean of asbestos structure concentrations per square millimeter of less than or equal to 70 structures per square millimeter, the established clearance criteria for this project. The area was deemed to be safe to occupy by non-protected personnel and the containment was removed.

5.3 Lead Wipe Sample Results

All samples collected following the lead related work were reported by the laboratory to be below the recommended clearance levels established for this project.

5.4 Final Visual Inspection Results

Before asbestos and lead work areas were released, they were inspected by the Contractor's supervisor and Alta representatives for evidence of residual dust and debris. The work areas were found to be acceptable. No dust or debris was observed.

5.5 Post Abatement Sample Results

5.5.1 Asbestos Clearance Sampling

Asbestos clearance sampling was conducted by a State Certified Site Surveillance Technician under the direction of a Certified Asbestos Consultant.

For work areas where less than 160 square feet of asbestos containing flooring materials were removed, clearance air samples were analyzed using Phase Contrast Microscopy (PCM) utilizing the NIOSH 7400 method. A minimum of five samples from inside the work area were collected. Clearance was issued when all samples results show that the airborne fiber concentrations inside the abatement work area were equal to or less than 0.01f/cc or the background level.

For work areas where greater than 160 square feet of asbestos containing flooring materials were removed, a minimum of five air samples from inside the work area were collected. The samples were analyzed using Transmission Electron Microscopy (TEM). The laboratory results were reported as "No Structures Detected". These results are below the arithmetic mean of asbestos structure concentrations per square millimeter of less than or equal to 70 structures per square millimeter, the established clearance criteria for this project. The area was deemed to be safe to occupy by non-protected personnel and the containment was removed.

5.5.2 Lead Clearance Sampling

Alta conducted random wipe samples representative of each building following the lead related work. All samples collected were reported by the laboratory to be below the recommended clearance levels of 400 micrograms of lead per square foot of area for exterior floors. The areas were deemed acceptable to occupy by non-protected personal and the containment areas were removed.

6 CONCLUSIONS AND RECOMMENDATIONS

The abatement removal project was limited to identified floor tile and mastic and damaged lead-based paint. No other materials or paints were included in the scope. Asbestos and lead-based paint has been identified on this site. Alta recommends that prior to any construction or renovation project, a survey of the impacted area be conducted by a Cal-OSHA Certified Asbestos Consultant to determine if any material impacted contain asbestos. Refer to the asbestos and lead survey records prepared for this site for material and locations.

Following the asbestos and lead related work in each area, the areas was inspected by both the Abatement Contractor Supervisor and Alta representative. The areas were found to be acceptably clean of visible loose dust and debris.

Following the passing of the final visual inspection, Alta collected air and surface dust wipes.

1. For work areas where less than 160 square feet of asbestos containing flooring materials were removed, clearance air samples were analyzed using Phase Contrast Microscopy (PCM) utilizing the NIOSH 7400 method. A minimum of five samples from inside the work area were collected. Clearance was issued when all samples results show that the airborne fiber concentrations inside the abatement work area were equal to or less than 0.01f/cc or the background level.

2. For work areas where greater than 160 square feet of asbestos containing flooring materials were removed, a minimum of five air samples from inside the work area were collected. The samples were analyzed using Transmission Electron Microscopy (TEM). The laboratory results were reported as "No Structures Detected". These results are below the arithmetic mean of asbestos structure concentrations per square millimeter of less than or equal to 70 structures per square millimeter, the established clearance criteria for this project. The area was deemed to be safe to occupy by non-protected personnel and the containment was removed.

3. Alta conducted random wipe samples representative of each building following the lead related work. All samples collected were reported by the laboratory to be below the recommended clearance levels of 400 micrograms of lead per square foot of area for exterior floors. The areas were deemed acceptable to occupy by non-protected personal and the containment areas were removed.

7 ASSUMPTIONS AND LIMITATIONS

This report was prepared exclusively for use by the Santa Monica-Malibu Unified School District, and may not be relied upon by any other person or entity without Alta Environmental's express written permission. The information, conclusions and recommendations described in this report apply to conditions existing at certain locations when services were performed and are intended only for the specific purposes, locations, time frames and project parameters indicated. Alta Environmental cannot be responsible for the impact of any changes in environmental standards, practices or regulations after performance of services.

In performing our professional services, we have applied present engineering and scientific judgment and used a level of effort consistent with the current standard of practice for similar types of studies.

As applicable, Alta Environmental has relied in good faith upon representations and information furnished by individuals with respect to operations and existing property conditions, to the extent that they have not been contradicted by data obtained from other sources. Accordingly, Alta Environmental accepts no responsibility for any deficiencies, omissions, misrepresentations, or fraudulent acts of persons interviewed.

Alta Environmental will not accept any liability for loss, injury claim, or damage arising directly or indirectly from any use or reliance on this report. Alta Environmental makes no warranty, expressed or implied.

This report is issued with the understanding that the client, the property owner, or its representative is responsible for ensuring that the information, conclusions, and recommendations contained herein are brought to the attention of the appropriate regulatory agencies, as required.

If you have any questions, please do not hesitate to contact the undersigned at (562) 495-5777. We appreciate the opportunity to be of service to Santa Monica-Malibu Unified School District.

SIGNATORY

Submitted for and on behalf of Alta Environmental.

Respectfully Submitted by:

Cesar Ruvalcaba
Project Manager
Certified Asbestos Consultant 95-1799
CDPH Certified Project Monitor and Inspector
Assessor I6855

Appendix A

Daily Field Reports and Field Testing

ALTA ENVIRONMENTAL LOG SHEET

Project Name: Roosevelt ES Date: 6/12/17

Project Location: Roosevelt ES Job No.: SMSD-17-6800

Project/Area Description: Bldg C

Scope of Work: Containment Setup at bldg C

Type of Containment: Full Containment

Respiratory Protection: N/A

Abatement Contractor: A+V

Contractor Supervisor: Ramon Torres

Alta Rep. On-Site: Gustavo Sanchez

Project Manager: Cesar Valvacchs

Time Arrived (Military): 0700 Shift Start Time: 7am

Time Left (Military): 1530 Shift End Time: 330pm

Type of Sample	Number of Samples Taken	Highest (f/cc)	Lowest (f/cc)
Inside Work Area			
Outside Work Area			
Personal			
Clearance			
Background			

Manometer Reading (Time reading was taken/Actual Reading)			
/	/	/	/

Other Contractors On-Site	Contractor Activities

Client: SMMUSD Page 1 of 1

Project Name: Roosevelt ES Alta Job No.: SMSD-17-680

TIME OF OBSERVATION	COMMENTS
0700	Alta Rep arrives on-site to meet with A+V Contractors Rep Ramon Torres plus six certified abatement workers. Todays scope of work will consist of containment setup to begin tile and mastic removal.
0750	Crew begin containment setup at bldg C.
	Crew continues to perform full containment setup at bldg C.
1100	Crew now breaks for lunch.
1200	Crew returns from lunch to continue with the scope of work.
1500	A+V Contractors are now 80% complete with setup at bldg C.
1530	Shift ends

For Bag-Out Shift Only

# of Bags	Manifest #

Alta Rep. Signature:

Cert. Number: 11-4732

Date: 6/12/17

ALTA ENVIRONMENTAL LOG SHEET

Project Name: Roosevelt ES Date: 6/16/17

Project Location: Roosevelt ES Job No.: SMSD-17-6800

Project/Area Description: Bldg C

Scope of Work: Containment setup at bldg C

Type of Containment: Full Containment

Respiratory Protection: N/A

Abatement Contractor: A+V Contractors

Contractor Supervisor: Ramon Torres

Alta Rep. On-Site: Gustavo Sanchez

Project Manager: Cesar Rulucciba

Time Arrived (Military): 0700 Shift Start Time: 7am

Time Left (Military): 1530 Shift End Time: 330 pm

Type of Sample	Number of Samples Taken	Highest (f/cc)	Lowest (f/cc)
Inside Work Area			
Outside Work Area			
Personal			
Clearance			
Background			

Manometer Reading (Time reading was taken/Actual Reading)			
/	/	/	/

Other Contractors On-Site	Contractor Activities

Client: SMMUSD

Project Name: Roosevelt ES

Alta Job No.: SMSD-17-6800

TIME OF OBSERVATION	COMMENTS
0700	Alta Rep arrives on-site to meet with A+V Contractors Rep Ramon Torres plus six certified abatement workers. Todays scope of work will consist of performing containment setup on the entire building of building C.
0800	A+V Continues to use 6mil poly, duct tape, staple guns, and adhesive spray to perform containment setup.
1100	Crew now breaks for lunch.
1200	Crew now returns from lunch to continue with the scope of work.
1530	Shift ends. A+V has now completed 70% of containment setup.

For Bag-Out Shift Only

# of Bags	Manifest #

Alta Rep. Signature:

Cert. Number: 11-4732

Date: 6/13/17

ALTA ENVIRONMENTAL LOG SHEET

Project Name: Roosevelt ES Date: 6/14/17

Project Location: Roosevelt ES Job No.: SMSD-17-6800

Project/Area Description: Bldg C / Classroom Interior

Scope of Work: Containment Setup at bldg C

Type of Containment: full Containment setup

Respiratory Protection: N/A

Abatement Contractor: A+V Contractors

Contractor Supervisor: Ramon Torres

Alta Rep. On-Site: Gustavo Sanchez

Project Manager: Cesar Rulvacaba

Time Arrived (Military): 0700 Shift Start Time: 7am

Time Left (Military): 1530 Shift End Time: 330pm

Type of Sample	Number of Samples Taken	Highest (f/cc)	Lowest (f/cc)
Inside Work Area			
Outside Work Area			
Personal			
Clearance			
Background			

Manometer Reading (Time reading was taken/Actual Reading)			
/	/	/	/

Other Contractors On-Site	Contractor Activities

Client: SMMUSD

Project Name: Roosevelt ES

Alta Job No. SMSD-17-6800

TIME OF OBSERVATION	COMMENTS
0700	Alta Rep arrives on-site to meet with A+V Contractors Rep Ramon Torres plus six certified abatement workers. Todays scope of work will consist of containment setup at bldg C to begin tile and mastic removal.
0800	Crew continues to perform containment setup at the Entire building C.
1000	Alta Rep observes majority of the work being performed at the exterior of the work area. A+V are currently connecting all containment to be one containment.
1100	Crew now breaks for lunch.
1200	Crew returns from lunch to continue with the scope of work.
1300	Alta Rep walk the area for prep final inspection. Area is 90% complete.
1500	A+V Rep has now requested for a final visual of the work area. The containment has been properly setup. A+V has been okd to begin
1530	Shift ends

For Bag-Out Shift Only

# of Bags	Manifest #

Alta Rep. Signature:

Cert. Number: 11-4732

Date: 6/13/17

ALTA ENVIRONMENTAL LOG SHEET

Project Name: Roosevelt ES Date: 6/15/17

Project Location: Roosevelt ES Job No.: SMSD-17-6800

Project/Area Description: Bldg C / Classroom Interior

Scope of Work: Tile / Mastic removal at Interior Classrooms.

Type of Containment: Full containment

Respiratory Protection: Half mask respirators

Abatement Contractor: A+V Contractors

Contractor Supervisor: Ramon Torres

Alta Rep. On-Site: Gustavo Sanchez

Project Manager: Cesar Rulvacaba

Time Arrived (Military): 0700 Shift Start Time: 7am

Time Left (Military): 1536 Shift End Time: 330 pm

Type of Sample	Number of Samples Taken	Highest (f/cc)	Lowest (f/cc)
Inside Work Area			
Outside Work Area	3	0.002	0.001
Personal			
Clearance			
Background			

Manometer Reading (Time reading was taken/Actual Reading)			
/	/	/	/

Other Contractors On-Site	Contractor Activities

Client: SMMUSD Page 1 of 2

Project Name: Roosevelt ES Alta Job No.: SMSD-17-6800

TIME OF OBSERVATION	COMMENTS
0700	Alta Rep arrives on-site to meet A+V Contractor Supervisor Ramon Torres plus eight certified abatement workers. Todays scope of work will consist of floor tile and mastic demo at bldg C.
	Alta Rep inspects the work area for final visual. Area remains intact. A+V has been ok'd to begin with the scope of work.
	A+V begins donning PPE to enter the work area. PPE consist of full body tyvek, half mask respirators, gloves, safety glasses and hard hats.
	A+V now begins with gross carpet and tile removal all waste generated is being properly burrito wrapped and double bagged. Alta Rep observes A+V equipped with floor tile removal machine (Terminator) and tile bars.
	Airless sprayers are also used to keep emissions low.
	Alta Rep observes majority of the floor tile mastic being removed with tile and carpet.
1100	Crew now breaks for lunch.
1100	Crew returns from lunch to continue with the scope of work. All PPE has been properly re-applied prior to re-entering the work area.
	A+V has now completed gross removal of tile and carpet all debris generated being properly bagged and sent to poly lined waste unit.
	Note: Alta Rep observes terminator being decontaminated and being sent out of the work area. Machine is properly cleaned.
	All gross tile is now bagged. Alta Rep observe A+V using floor buffers at the south end of building to remove floor mastic. Wet methods continue to be used to keep

For Bag-Out Shift Only

# of Bags	Manifest #

Alta Rep. Signature:

Cert. Number: 11-4732

Date: 6/15/17

Client: SMMUSD

Project Name: Roosevelt ES

Alta Job No.: SMSD-17-6800

TIME OF OBSERVATION	COMMENTS
	emission low.
	A+V has now removed all bagged tile and carpet from the work area and into the poly lined waste unit.
1530	Shift ends. A+V has removed 100% tile from building C. Approx 20% of mastic has been removed.

For Bag-Out Shift Only

# of Bags	Manifest #

Alta Rep. Signature: [signature]
Cert. Number: 11-4732
Date: 6/15/17

ALTA ENVIRONMENTAL

Air Sampling Form

Client: SMMUSD
Project No.: SMSD-17-6800
Project Location: Roosevelt ES

Date: 6/15/17
Page: 1 of 1

Sample #	Pump #	Sample Location	Type	Activity in Progress	Start Time	Stop Time	LPM Start	LPM Stop	Volume	Fibers/ Fields	F/CC*
01	BS-03	Decon Unit bldg C	OWA	Floor tile	717	1516	3.0	3.0	1487	6/100	0.002
02	GS-01	Negative Air Exhaust bldg C	↓	↓	721	1504	3.0	3.0	1389	3/100	0.001
03	GS-02	Perimeter East of Bldg C	↓	↓	732	1507	3.0	3.0	1365	3/100	0.001

Type: OWA = Outside Work Area; IWA = Inside Work Area; B = Background; P = Personal; C = Clearance

Detection limit is 5.5 f/cc

Analytical Method:

PCM-Niosh 7400	✓
TEM-AHERA	
TEM-EPA Yamate	
NIOSH-7082/Pb	

Sample Media:

25 mm MCE 0.8 µg	✓
25 mm MCE 0.45 µg	
37 mm MCE	

Sample Analysis:

Alta On-site	✓
Outside Lab	

Field Blank
Sample # FSL-01
Fiber/Fields 0/100

Lab Blank
Sample # FSL-02
Fiber/Fields 0/100

Microscopist: V. Sanchez
Microscope #: 2
Graticle field area (mm²): 0.00785
Filter area (mm²): 385
Q.C. slide readable: 5
Rotometer #: 6507

Comments:

On-Site Technician: Gustavo Sanchez
Signature:
Cert Number: 11-4732

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ALTA ENVIRONMENTAL LOG SHEET

Project Name: Roosevelt ES Date: 6/16/17

Project Location: Roosevelt ES Job No.: SMSD-18-7800

Project/Area Description: Bldg C/ Classroom Interior

Scope of Work: Detail Clean up at bldg C for Final Visual

Type of Containment: Full Containment

Respiratory Protection: Half mask respirator

Abatement Contractor: A+V Contractors.

Contractor Supervisor: Ramon Torres

Alta Rep. On-Site: Gustavo Sanchez

Project Manager: Cesar Rulvacaba

Time Arrived (Military): 0700 Shift Start Time: 7am

Time Left (Military): 1530 Shift End Time: 330 pm

Type of Sample	Number of Samples Taken	Highest (f/cc)	Lowest (f/cc)
Inside Work Area			
Outside Work Area	3	0.008	<0.007
Personal			
Clearance			
Background			

Manometer Reading (Time reading was taken/Actual Reading)			
/	/	/	/

Other Contractors On-Site	Contractor Activities

ALTA ENVIRONMENTAL

Client: SMMUSD

Project Name: Roosevelt ES

Alta Job No.: SMSD-17-6800

TIME OF OBSERVATION	COMMENTS
0700	Alta Rep arrives - on-site to meet with A+V Contractors Rep Ramon Torres plus ~~six~~ certified abatement Workers. Todays scope of work will consist of mastic removal at buildings C. Crew begins donning PPE to begin with the scope of work.
0720	Alta Rep walks area to inspect for any breeches. Containment remains properly intact. A+V continues with the scope of work.
1000	Alta Rep observes A+V Contractors equipped with floor buffers, mastic remover, brillo pads, airless sprayers, and rags. Crew continues to properly bag all waste generated from from gross mastic removal. Wet methods to continues to be used to keep emissions low.
1050	A+V has now completed gross removal all waste generated is now being bagged and sent to poly lined west unit.
1055	Crew begins detailing the work area. A+V is equipped with wire brushes, ragged and mastic remover.
1100	Crew now breaks for lunch.
1200	Crew returns from lunch to continue with the scope of work. All PPE has been properly re-applied prior to re-entering the work area.
1400	A+V Rep has now requested for a visual inspection of the area. All bagged debris has been properly bagged and waste has been removed.
1530	A+V has been okd to encap the area. Shift ends.

For Bag-Out Shift Only

# of Bags	Manifest #

Alta Rep. Signature:

Cert. Number: 11-4732

Date: 6/12/17

ALTA ENVIRONMENTAL

Air Sampling Form

Client: SMMUSD
Project No.: SMSD-17-6800
Project Location: Roosevelt ES

Date: 6/16/17
Page: 1 of 1

Sample #	Pump #	Sample Location	Type	Activity in Progress	Start Time	Stop Time	LPM Start	LPM Stop	Volume	Fibers/ Fields	F/CC*
0616-01	01	Recon Unit Bldg C	OWA	Tile	0707	1505	3.0	3.0	1438	1/100	0.003
0616-02	02	Neg Air Bldg C	〃	〃	0712	1509	3.0	3.0	1431	3/100	0.001
0617-03	04	S/W Perimeter	〃	〃	0714	1510	3.0	3.0	1428	6/100	0.002

Type: OWA = Outside Work Area; IWA = Inside Work Area; B = Background; P = Personal; C = Clearance

Detection limit is 5.5 f/cc

Analytical Method:

PCM-Niosh 7400	✓
TEM-AHERA	
TEM-EPA Yamate	
NIOSH-7082/Pb	

Sample Media:

25 mm MCE 0.8 µg	✓
25 mm MCE 0.45 µg	
37 mm MCE	

Sample Analysis:

Alta On-site	✓
Outside Lab	

Field Blank
Sample # BL-01
Fiber/Fields 0/100

Lab Blank
Sample # BL-07
Fiber/Fields 0/100

Microscopist: G. Sanchez
Microscope #: 2
Graticle field area (mm²): 0.00785
Filter area (mm²): 385
Q.C. slide readable: Y
Rotometer #: 6501

Comments:

On-Site Technician: Gustavo Sanchez
Signature:
Cert Number: 11-4732

ALTA ENVIRONMENTAL

Air Sampling Form

TAT = RUSH

Client: SMSD
Project No.: SMSD-17-6280
Project Location: ROOSEVELT ES - 801 MONTANA AVE, Santa Monica

Date: 6-17-17
Page: 1 of 1

Sample #	Pump #	Sample Location	Type	Activity in Progress	Start Time	Stop Time	LPM Start	LPM Stop	Volume	Fibers/ Fields	F/CC*
01	0851	Bldg C - Room 1	C	None	0840	1040	10.3	10.3	1236		
02	0852	Bldg C - Room 2	C	None	0845	1045	10.3	10.3	1236		
03	0853	Bldg C - Room 3	C	None	0850	1050	10.3	10.3	1236		
04	0855	Bldg C - Room 4	C	None	0855	1055	10.3	10.3	1236		
05	0854	Bldg C - Room 5	C	None	0900	1100	10.3	10.3	1236		
06	—	—	—	—	—	—	—	—	—		
07	—	—	—	—	—	—	—	—	—		

Type: OWA = Outside Work Area; IWA = Inside Work Area; B = Background; P = Personal; C = Clearance

Detection limit is 5.5 f/cc

Analytical Method:

PCM-Niosh 7400	
TEM-AHERA	✓
TEM-EPA Yamate	
NIOSH-7082/Pb	

Sample Media:

25 mm MCE 0.8 µg	
25 mm MCE 0.45 µg	✓
37 mm MCE	

Sample Analysis:

Alta On-site	
Outside Lab	✓

Field Blank
Sample # 00
Fiber/Fields

Lab Blank
Sample # 07
Fiber/Fields

Microscopist:
Microscope #:
Graticle field area (mm²):
Filter area (mm²):
Q.C. slide readable:
Rotometer #:

Comments: TAT = RUSH

On-Site Technician: G. MERE
Signature:
Cert Number: 11-4826

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ALTA ENVIRONMENTAL LOG SHEET

Project Name: Roosevelt ES Date: 6/19/17

Project Location: Roosevelt ES Job No.: SMSD-17-6800

Project/Area Description: Bldg C

Scope of Work: Containment Teardown at Building C
Interior and transite panel removal.

Type of Containment: ~~Full~~ Demarcated work area

Respiratory Protection: Half Mask Respirator

Abatement Contractor: A+V Contractors

Contractor Supervisor: Ramon Torres

Alta Rep. On-Site: Gustavo Sanchez

Project Manager: Cesar Rulvacaba

Time Arrived (Military): 0700 Shift Start Time: 7am

Time Left (Military): 1530 Shift End Time: 330

Type of Sample	Number of Samples Taken	Highest (f/cc)	Lowest (f/cc)
Inside Work Area			
Outside Work Area	3	0.003	0.001
Personal			
Clearance			
Background			

Manometer Reading (Time reading was taken/Actual Reading)			
/	/	/	/

Other Contractors On-Site	Contractor Activities

Client: SMMUSD Page 1 of 1

Project Name: Roosevelt ES Alta Job No.: SMSD-17-6800

TIME OF OBSERVATION	COMMENTS
0700	Alta Rep arrives on-site to meet with A+V Contractors Rep Ramon Torres plus certified abatement workers. Todays scope of work will consist of containment Tear down at building C. 4 of the 7 window are transite.
0710	Crew begins containment tear down at building "C" all debris is properly bagged and disposed of.
0910	Crew continues to teardown all poly barriers, and tape. Note: Once A+V has access to windows crew will begin removing all windows at building "C".
1100	Crew now breaks for lunch.
1200	Crew returns from lunch to begin removal of All windows at building C. Crew begins demarcating the area around the windows and setting up drop cloths.
1230	Area is now setup. Crew begins donning PPE to begin window removal. PPE consist of full body tyvek, half mask respirators, gloves, safety glasses and hard hats.
1245	Crew now begins removing all lead window. A+V abatement workers (6) are equipped with screw drivers, pry bars, ~~and~~ hepa vacuums, and hudson sprayers.
1430	A+V has now removed all lead framed windows and will now begins removing transite panel. Note: All Transite has been wrapped with poly prior to removal. All Transite panels will be removed intact to prevent a fiber release.
1520	A+V has now completed Window removal and Containment tear down at bldg "C"
1530	Shift ends.

For Bag-Out Shift Only

# of Bags	Manifest #

Alta Rep. Signature:

Cert. Number: 11-4732

Date: 6/19/17

ALTA ENVIRONMENTAL

Air Sampling Form

Client: SMMUSD
Project No.: SMSD-17-6200
Project Location: Roosevelt ES

Date: 6/14/17
Page: 1 of 1

Sample #	Pump #	Sample Location	Type	Activity in Progress	Start Time	Stop Time	LPM Start	LPM Stop	Volume	Fibers/ Fields	F/CC*
01		North East bldg C Upwind	OWA	Transite Remov	0836	1502	3.0	3.0	398	9/100	0.003
02		South East bldg C Downwind	↓	↓	0844	1500	3.0	3.0	398	2/100	0.001
03		East Center Perimeter Bldg C	↓	↓	0845	1501	3.0	3.0	398	3/100	0.001

Type: OWA = Outside Work Area; IWA = Inside Work Area; B = Background; P = Personal; C = Clearance

Detection limit is 5.5 f/cc

Analytical Method:

PCM-Niosh 7400	✓
TEM-AHERA	
TEM-EPA Yamate	
NIOSH-7082/Pb	

Sample Media:

25 mm MCE 0.8 µg	✓
25 mm MCE 0.45 µg	
37 mm MCE	

Sample Analysis:

Alta On-site	✓
Outside Lab	

Field Blank
Sample # FBL-01
Fiber/Fields 0/100

Lab Blank
Sample # LBL-01
Fiber/Fields 0/100

Microscopist: G. Sanchez
Microscope #: 7
Graticle field area (mm²): 0.00785
Filter area (mm²): 385
Q.C. slide readable: 4
Rotometer #: .65 07

Comments:

On-Site Technician: Gustavo Sanchez
Signature:
Cert Number: 11-4732

ALTA ENVIRONMENTAL LOG SHEET

Project Name: Roosevelt ES Date: 6/20/17

Project Location: Roosevelt ES Job No.: SMSD-17-6800

Project/Area Description: Bldg E

Scope of Work: Containment Setup at the Interior of Bldg E

Type of Containment: Full Containment Setup

Respiratory Protection: N/A

Abatement Contractor: A+V Contractors

Contractor Supervisor: Ramon Torres

Alta Rep. On-Site: Gustavo Sanchez

Project Manager: Cesar Rulvacaba

Time Arrived (Military): 700 Shift Start Time: 7am

Time Left (Military): 1530 Shift End Time: 330

Type of Sample	Number of Samples Taken	Highest (f/cc)	Lowest (f/cc)
Inside Work Area			
Outside Work Area			
Personal			
Clearance			
Background			

Manometer Reading (Time reading was taken/Actual Reading)			
/	/	/	/

Other Contractors On-Site	Contractor Activities

Client: SMMUSD

Page 1 of 1

Project Name: Roosevelt ES

Alta Job No.: SMSD-17-6300

TIME OF OBSERVATION	COMMENTS
0700	Alta Rep arrives on-site to meet with A+V Contractors Rep Ramon Torres plus certified abatement workers. Todays scope of work will consist of setting up containment at building "E"
	Crew begins loading all equipment into the work area to begins containment setup.
	Crew begins lining all walls and ceiling with Two layers of 6mil poly.
	Crew continues to perform setup throughout building E. All Rooms (Rm 17, 16, 15, 14) will be connected.
1100	Crew now breaks for lunch.
1200	Crew returns from lunch to continue with the scope of work
1530	Shift ends. Approx 60% of Buildings E has been setup.

For Bag-Out Shift Only

# of Bags	Manifest #

Alta Rep. Signature:

Cert. Number: 11-4732

Date: 6/20/17

ALTA ENVIRONMENTAL LOG SHEET

Project Name: Roosevelt ES Date: 6/21/17

Project Location: Roosevelt ES Job No.: SMSD-17-6800

Project/Area Description: Bldg E

Scope of Work: Containment setup at bldg E

Type of Containment: Full Containment

Respiratory Protection: N/A

Abatement Contractor: ATV Contractors

Contractor Supervisor: Ramon Torres

Alta Rep. On-Site: Gustavo Sanchez

Project Manager: Cesar Rulnicaba

Time Arrived (Military): 700 Shift Start Time: 7am

Time Left (Military): 1530 Shift End Time: 330pm

Type of Sample	Number of Samples Taken	Highest (f/cc)	Lowest (f/cc)
Inside Work Area			
Outside Work Area			
Personal			
Clearance			
Background			

Manometer Reading (Time reading was taken/Actual Reading)			
/	/	/	/

Other Contractors On-Site	Contractor Activities

Client: SMMUSD Page 1 of 1

Project Name: Roosevelt ES Alta Job No.: SMSD-17-6800

TIME OF OBSERVATION	COMMENTS
0700	Alta Rep arrives onsite to meet with A+V contractors Rep plus certified abatement workers. Todays scope of work will consist of completing containment setup at building E. To begin tile and mastic removal at Room 17, 16, 15, and 14.
0720	Crew begins full containment setup.
1100	Crew now breaks for lunch.
1200	Crew returns from lunch to continue with the scope of work. AT this Time ~~All~~ (6) all room have been properly setup. A+V begins setting up a tunnel to connect all rooms together.
1300	Alta Rep observes tunnel being reinforced with 1x4. 2x4's will help tunnel stay intact over night and through high winds.
1530	Shift ends. Containment is now 95% complete.

For Bag-Out Shift Only

# of Bags	Manifest #

Alta Rep. Signature:

Cert. Number: 11-4732

Date: 6/21/17

ALTA ENVIRONMENTAL LOG SHEET

Project Name: Roosevelt ES Date: 6/22/17

Project Location: Roosevelt ES Job No.: SMSD-17-6800

Project/Area Description: Bldg E

Scope of Work: Tile and Mastic Removal at bldg E

Type of Containment: Full Containment

Respiratory Protection: Half mask respirators

Abatement Contractor: A+V Contractors

Contractor Supervisor: Ramon Torres

Alta Rep. On-Site: Gustavo Sanchez

Project Manager: Cesar Rubacaba

Time Arrived (Military): 0700 Shift Start Time: 7am

Time Left (Military): 1530 Shift End Time: 330pm

Type of Sample	Number of Samples Taken	Highest (f/cc)	Lowest (f/cc)
Inside Work Area			
Outside Work Area	3	0.002	0.002
Personal			
Clearance			
Background			

Manometer Reading (Time reading was taken/Actual Reading)			
/	/	/	/

Other Contractors On-Site	Contractor Activities

Client: SMMUSD Page 1 of 2

Project Name: Roosevelt ES Alta Job No.: SMSD-17-6800

TIME OF OBSERVATION	COMMENTS
0700	Alta Rep arrives on-site to meet with A+V Rep plus eight Certified abatement workers. Todays scope of work will consist of completing full containment at Building E to begin Carpet, Tile and mastic removal.
0710	Crew begins containment detailing. All negative Air machines, and three stage decon is now being setup.
0820	A+V rep has now requested for visual inspection of the work Area. The area is properly setup with the proper Area Pressure. A+V now begins donning PPE to enter the work Area. PPE consist of full body tyvek, half mask respirator, gloves, safety glasses, and hard hats.
0900	Alta Rep observes A+V abatement crew (CS) using a floor tile remover (mechanical operated) to remove both carpet and tile. All debris generated is double bagged labeled and sent to load-out.
1030	A+V continues to use wet method to keep emissions low.
1100	Crew now break for lunch. Prior to exiting the work area all ppe is properly removed.
1200	Crew returns from lunch to continue with the scope of work. All PPE is properly reapplied prior to re-entering the work area.
1200	Crew continues to perform gross removal of carpet and tile. All debris continue to be properly bagged and labeled.
1330	A+V has now completed gross tile, and carpet removal. All waste generated is

For Bag-Out Shift Only

# of Bags	Manifest #

Alta Rep. Signature:

Cert. Number: 11-4732

Date: 6/22/17

Client: SMMUSD

Project Name: Roosevelt ES

Alta Job No.: SMSD-17-6800

TIME OF OBSERVATION	COMMENTS
	begin properly bagged and labeled. While gross waste load-out continues. A+V begins mastic removal. A+V abatement workers are equipped with floor buffers, mastic removers, airless sprayers, and rags. All debris generated is properly bagged and sent to load-out.
1530	Shift ends. Area is properly locked down. All Tile and carpet has been removed. Approx 30 percent of mastic has been removed. Note: Tile under sink will remain due to inaccessibilty.

For Bag-Out Shift Only

# of Bags	Manifest #

Alta Rep. Signature:

Cert. Number: 11-4732

Date: 6/12/17

ALTA ENVIRONMENTAL

Air Sampling Form

Client: SMMUSD
Project No.: SMSD-17-6800
Project Location: Roosevelt ES

Date: 4/22/17
Page: 1 of 1

Sample #	Pump #	Sample Location	Type	Activity in Progress	Start Time	Stop Time	LPM Start	LPM Stop	Volume	Fibers/ Fields	F/CC*
01	1	Decon Unit Bldg E	OWA	Tile/Mastic	0831	1520	3.0	3.0	1227	4/100	0.002
02	2	Neg Air Unit Bldg E	↓	↓	0833	1522	3.0	3.0	1227	6/100	0.002
03	3	North Perimeter Bldg E	↓	↓	0835	1523	3.0	3.0	1224	1/100	0.002

Type: OWA = Outside Work Area; IWA = Inside Work Area; B = Background; P = Personal; C = Clearance

Detection limit is 5.5 f/cc

Analytical Method:

PCM-Niosh 7400	✓
TEM-AHERA	
TEM-EPA Yamate	
NIOSH-7082/Pb	

Sample Media:

25 mm MCE 0.8 µg	✓
25 mm MCE 0.45 µg	
37 mm MCE	

Sample Analysis:

Alta On-site	✓
Outside Lab	

Field Blank
Sample # BL-01
Fiber/Fields 0/100

Lab Blank
Sample # BL-02
Fiber/Fields 0/100

Microscopist: G. Sanchez
Microscope #: 7
Graticle field area (mm²): 0.00785
Filter area (mm²): 385
Q.C. slide readable: 5
Rotometer #: 6561

Comments:

On-Site Technician: Gustavo Sanchez
Signature:
Cert Number: 11-4732

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ALTA ENVIRONMENTAL LOG SHEET

Project Name: Roosevelt ES Date: 6/23/17

Project Location: Roosevelt ES Job No.: SMSD-17-6800

Project/Area Description: Bldg E

Scope of Work: Detail Clean-up at bldg E

Type of Containment: Full Containment

Respiratory Protection: Half Mask respirator

Abatement Contractor: A+V Contractors

Contractor Supervisor: Ramon Torres

Alta Rep. On-Site: Gustavo Sanchez

Project Manager: Cesar Rulvacaba

Time Arrived (Military): 0700 Shift Start Time: 7am

Time Left (Military): 1530 Shift End Time: 330pm

Type of Sample	Number of Samples Taken	Highest (f/cc)	Lowest (f/cc)
Inside Work Area			
Outside Work Area	3	0.002	0.001
Personal			
Clearance			
Background			

Manometer Reading (Time reading was taken/Actual Reading)			
/	/	/	/

Other Contractors On-Site	Contractor Activities

Client: SMMUSD Page 1 of 2

Project Name: Roosevelt ES Alta Job No.: SMSD-17-6800

TIME OF OBSERVATION	COMMENTS
0700	Alta Rep arrives on-site to meet A+V contractors Rep plus certified abatement workers. Todays scope of work will consist of completing gross mastic removal at building E.
0715	Crew begins donning PPE to enter the work Area.
0720	A+V crew are currently removing all gross amounts of mastic at building E. Crew is equipped with floor buffers, mastic remover, scrubbing pads, and rags. Airless sprayers with admended water is used to keep emissions low.
1000	Alta Rep observes A+V using wet methods to keep emission low. All debris generated is properly bagged and labeled and sent to waste load-out.
1100	Crew now breaks for lunch. All ppe is properly removed prior to exiting the work area.
1200	Crew returns from lunch to continue with the scope of work. All PPE has been re-applied prior to entering the work area.
1230	A+V has now completed the gross removal of mastic through-out the work area. Crew begins detailing the work area using wire brushes, mastic remover and rags. All waste generated is properly bagged and labeled.
1300	Alta Rep performs a pre-final inspection thru-ugh-out the work for areas that will require more attention.
1400	Alta Rep has been requested to perform a final visual inspection at the work area.

For Bag-Out Shift Only

# of Bags	Manifest #

Alta Rep. Signature:

Cert. Number: 11-4732

Date: 6/23/17

Client: SMMUSD

Project Name: Roosevelt ES

Alta Job No.: SMUSD-17-6800

TIME OF OBSERVATION	COMMENTS
	The area contains large area of mastic in porous areas on the floor and at the areas where leveling compound is found. A+V has been informed that the area will require more detailing.
1530	Shift ends.

For Bag-Out Shift Only

# of Bags	Manifest #

Alta Rep. Signature: [signature]

Cert. Number: 11-4722

Date: 6/23/17

ALTA ENVIRONMENTAL

Air Sampling Form

Client: SMMUSD
Project No.: SMSD-17-6800
Project Location: Roosevelt ES

Date: 6/23/17
Page: 1 of 1

Sample #	Pump #	Sample Location	Type	Activity in Progress	Start Time	Stop Time	LPM Start	LPM Stop	Volume	Fibers/ Fields	F/CC*
01		Recon Unit Bldg E	OWA	Tile/Mastic	703	1501	3.0	3.0	1437	0/100	0.002
02		Negative Air Bldg E			703	1506	3.0	3.0	1449	2/100	0.001
03		South West Perimeter			705	1509	3.0	3.0	1452	3/100	0.001

Type: OWA = Outside Work Area; IWA = Inside Work Area; B = Background; P = Personal; C = Clearance

Detection limit is 5.5 f/cc

Analytical Method:

PCM-Niosh 7400	✓
TEM-AHERA	
TEM-EPA Yamate	
NIOSH-7082/Pb	

Sample Media:

25 mm MCE 0.8 µg	✓
25 mm MCE 0.45 µg	
37 mm MCE	

Sample Analysis:

Alta On-site	✓
Outside Lab	

Field Blank
Sample # BL-01
Fiber/Fields 0/100

Lab Blank
Sample # BL-02
Fiber/Fields 0/100

Microscopist: G. Sanchez
Microscope #: 2
Graticle field area (mm²): 0.00785
Filter area (mm²): 358
Q.C. slide readable: S
Rotometer #: 6501

Comments:

On-Site Technician: Gustavo Sanchez
Signature:
Cert Number: 11-4736

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ALTA ENVIRONMENTAL LOG SHEET

Project Name: Roosevelt ES Date: 6/26/17

Project Location: Roosevelt ES Job No.: SMSD-17-6800

Project/Area Description: Bldg E

Scope of Work: Detail clean up bldg E and encap area.

Type of Containment: Full Containment

Respiratory Protection: Half Mask respirator

Abatement Contractor: A+V Contractors

Contractor Supervisor: Ramon Torres

Alta Rep. On-Site: Gustavo Sanchez

Project Manager: Cesar Rulvacaba

Time Arrived (Military): 7000 Shift Start Time: 7am

Time Left (Military): 1530 Shift End Time: 330pm

Type of Sample	Number of Samples Taken	Highest (f/cc)	Lowest (f/cc)
Inside Work Area			
Outside Work Area	3	0.002	0.001
Personal			
Clearance			
Background			

Manometer Reading (Time reading was taken/Actual Reading)			
/	/	/	/

Other Contractors On-Site	Contractor Activities

Client: SMMUSD

Page 1 of 1

Project Name: Roosevelt

Alta Job No.: SMSD-17-6800

TIME OF OBSERVATION	COMMENTS
0700	Alta Rep arrives on-site to meet with A+V Rep plus eight certified workers. Todays scope of work will consist of Detailing Containment at building "E". Crew begins donning PPE to enter the work Area. PPE consist of full body tyvek suits, half mask respirator, gloves, safety glasses and hard hats.
0725	Crew begins detailing the mastic through-out the work area. A+V will begin removing mastic at the porous areas and areas where leveling compound contains large amounts of residue.
1000	Crew continues to perform detail clean up. A+V crew is observed using chisels, hepa vaccums and hand scrubbers to remove residue from leveling compound.
1100	All waste generated is properly bagged and labeled. Crew now breaks for lunch.
1200	Crew returns from lunch to continue with the scope of work. All PPE is properly re-applied prior to re-entring the work area.
1430	A+V Rep has now requested for a visual inspection of the work area. Area is properly cleaned. A+V has been O'k'd to encapsulate the work Area.
1530	Shift ends.

For Bag-Out Shift Only

# of Bags	Manifest #

Alta Rep. Signature:

Cert. Number: 11-4732

Date: 6/26/17

ALTA ENVIRONMENTAL

Air Sampling Form

Client: SMMUSD
Project No.: SMUD-17-6800
Project Location: Roosevelt ES

Date: 6/26/17
Page: 1 of 1

Sample #	Pump #	Sample Location	Type	Activity in Progress	Start Time	Stop Time	LPM Start	LPM Stop	Volume	Fibers/ Fields	F/CC*
0626 01		Decon Unit at bldg E	OWA	Tile / Mastic	0770	1519	3.0	3.0	1437	6/100	0.002
" -02		Neg Air Exhaust bldg E	"	"	0722	1518	3.0	3.0	1434	2/100	0.001
" -03		West Center Perimeter	"	"	0719	1512	3.0	3.0	1419	1/100	0.001

Type: OWA = Outside Work Area; IWA = Inside Work Area; B = Background; P = Personal; C = Clearance

Detection limit is 5.5 f/cc

Analytical Method:

PCM-Niosh 7400	✓
TEM-AHERA	
TEM-EPA Yamate	
NIOSH-7082/Pb	

Sample Media:

25 mm MCE 0.8 µg	✓
25 mm MCE 0.45 µg	
37 mm MCE	

Sample Analysis:

Alta On-site	✓
Outside Lab	

Field Blank
Sample # BL-01
Fiber/Fields 0/100

Lab Blank
Sample # BL-02
Fiber/Fields 0/100

Microscopist: G Sanchez
Microscope #: 2
Graticle field area (mm²): 0.00785
Filter area (mm²): 385
Q.C. slide readable: 5
Rotometer #: 6507

Comments:

On-Site Technician: Gustavo Sanchez
Signature:
Cert Number: 11-4732

ALTA ENVIRONMENTAL LOG SHEET

Project Name: Roosevelt ES Date: 6/27/17

Project Location: Roosevelt ES Job No.:

Project/Area Description: Bldg / bldg K

Scope of Work: floor tile removal at principles office bldg J, Window removal bldg K

Type of Containment: Full containment / Demarcated Area

Respiratory Protection: Half mask respirator

Abatement Contractor: A+V Contractors

Contractor Supervisor: Ramon Torres

Alta Rep. On-Site: Gustavo Sanchez

Project Manager: Cesar Rulvacaba

Time Arrived (Military): 0700 Shift Start Time: 7am

Time Left (Military): 1530 Shift End Time: 330

Type of Sample	Number of Samples Taken	Highest (f/cc)	Lowest (f/cc)
Inside Work Area			
Outside Work Area	3	0.002	0.002
Personal			
Clearance	2 PCM / 5 TEM	0.001	0.001
Background			

Manometer Reading (Time reading was taken/Actual Reading)			
/	/	/	/

Other Contractors On-Site	Contractor Activities

Client: SMMUSD Page 1 of 1

Project Name: Roosevelt ES Alta Job No.: SMSD-17-6800

TIME OF OBSERVATION	COMMENTS
7000	Alta Rep arrives on-site to meet with A+V Rep plus 5 1/2 certified abatement workers. Todays scope of work will consist of removing Tile and mastic at Bldg J principle office closet, and window removal at bldg k.
720	Crew begins full containment setup at office closet. Alta Rep observes A+V demarcating the perimeter windows at bldg k. Drop cloths are also setup through out the work area.
745	A+V rep has now requested for a visual inspection of the containment at bldg J. The area is properly setup. A+V has been ok'd to begin.
750	Alta Rep has been requested to inspect the containment at bldg k. The area is properly setup A+V has been ok'd to begin with the scope of work.
900	Alta Rep observes A+V removing tiles at bldg J closet with a chisel and a hammer. Wet methods are used to keep emissions low.
1000	A+V Continues to remove window from building k. chisels, hammers, and drills are used to perform removal.
1030	All Tile has now been removed from the principles office. Crew begins removing mastic utilizing hed scrubber, mastic remover and rags.
1100	All Mastic has now been removed. A+V has been ok'd to incapsulate.
1105	Crew now breaks for lunch.
1200	Crew return from lunch to continue with the scope of Work.
1330	Crew Continue with Window removal at bldg K.
1530	Shift ends.

For Bag-Out Shift Only

# of Bags	Manifest #

Alta Rep. Signature:

Cert. Number: 11-4732

Date: 6/27/17

ALTA ENVIRONMENTAL

Air Sampling Form

Client: SMMUSD
Project No.: SMSD-17-6860
Project Location: Roosevelt ES

Date: 6/27/17
Page: 1 of 1

Sample #	Pump #	Sample Location	Type	Activity in Progress	Start Time	Stop Time	LPM Start	LPM Stop	Volume	Fibers/ Fields	F/CC*
0627-01		Bldg J Decom	OWA	Tile Mastic	0707	1302	3.0	3.0	1065	3/100	0.002
1-01		" " Neg Air Exhaust	2	1	0711	1303	3.0	3.0	1056	0/100	0.002
1-02		" " Perimeter Wall office	1	1	0716	1305	3.0	3.0	1047	0/100	0.002
CL-01		N/W Closet	C	Clearance	1201	1429	15	15	2220	1/100	0.001
CL-02		Center Closet	C	1	1202	1430	15	15	2220	0/100	0.001

Type: OWA = Outside Work Area; IWA = Inside Work Area; B = Background; P = Personal; C = Clearance

Detection limit is 5.5 f/cc

Analytical Method:

PCM-Niosh 7400	✓
TEM-AHERA	
TEM-EPA Yamate	
NIOSH-7082/Pb	

Sample Media:

25 mm MCE 0.8 µg	✓
25 mm MCE 0.45 µg	
37 mm MCE	

Sample Analysis:

Alta On-site	✓
Outside Lab	

Field Blank
Sample # BL-01
Fiber/Fields 0/100

Lab Blank
Sample # BL-02
Fiber/Fields 0/100

Microscopist: G. Sanchez
Microscope #: 2
Graticle field area (mm²): 0.00785
Filter area (mm²): 385
Q.C. slide readable: 5
Rotometer #: 6567

Comments:

On-Site Technician: Gustavo Sanchez
Signature:
Cert Number: 11-4232

ALTA ENVIRONMENTAL

Air Sampling Form

Client: SMMUSD
Project No.:
Project Location: Bldg E

Date: 6/27/17
Page: 1 of 1

Sample #	Pump #	Sample Location	Type	Activity in Progress	Start Time	Stop Time	LPM Start	LPM Stop	Volume	Fibers/ Fields	F/CC*
CL 01		Center Rm 8	C	Clearance	1007	1216	10	10	1290	0	
CL 02		Center Rm 17			1009	1219	10	10	1300	0	
CL 03		Center Rm 15			1013	1220	10	10	1270	0	
CL 04		Center Rm 16			1015	1223	10	10	1280	0	
CL 05		Center Corridor			1017	1225	10	10	1310	0	

Type. OWA = Outside Work Area; IWA = Inside Work Area; B = Background; P = Personal; C = Clearance

Detection limit is 5.5 f/cc

Analytical Method:

PCM-Niosh 7400	
TEM-AHERA	
TEM-EPA Yamate	
NIOSH-7082/Pb	

Sample Analysis:

Alta On-site	
Outside Lab	

Sample Media:

25 mm MCE 0.8 µg	
25 mm MCE 0.45 µg	
37 mm MCE	

Field Blank
Sample #
Fiber/Fields

Lab Blank
Sample #
Fiber/Fields

Microscopist:
Microscope #:
Graticle field area (mm^2):
Filter area (mm^2):
Q.C. slide readable:
Rotometer #:

Comments:

On-Site Technician:
Signature:

Cert Number:

ALTA ENVIRONMENTAL LOG SHEET

Project Name: Roosevelt ES Date: 6/28/17

Project Location: Roosevelt ES Job No.: SMUD-17-6800

Project/Area Description: Bldg K HVAC Closet

Scope of Work: Window removal Bldg E tile mastic Removal Bldg K HVAC Closet

Type of Containment: full containment / Demarcated Area

Respiratory Protection: Half mask respirator

Abatement Contractor: A+V Contractors

Contractor Supervisor: Ramon Torres

Alta Rep. On-Site: Gustavo Sanchez

Project Manager: Cesar Rulvacaba

Time Arrived (Military): 0700 Shift Start Time: 7am

Time Left (Military): 1530 Shift End Time: 330pm

Type of Sample	Number of Samples Taken	Highest (f/cc)	Lowest (f/cc)
Inside Work Area			
Outside Work Area	2		
Personal			
Clearance	2		
Background			

Manometer Reading (Time reading was taken/Actual Reading)			
/	/	/	/

Other Contractors On-Site	Contractor Activities

PROJECT LOG/DAILY INSPECTION CHECKLIST

Date: 6/28/17 Alta representative: Gustavo Sanchez

Project No.: SMUD-17-6800 Project name: Roosevelt ES

Project location: Roosevelt ES Project area:

Time of observation	Observations
0700	Alta Rep arrives on-site to meet with A+V Construction Rep plus 6 certified abatement workers at Roosevelt ES. Todays scope of work will consist of removing tile and Mastic at bldg K HVAC Closet, Stabilizing paint at bldg E Storage, and windows at bldg E.
0710	Crew begins full containment setup at bldg K & HVAC closet.
0715	Crew begins demarcating Bldg E. Drop cloths are setup through-out the work area to catch any debris generated during paint stabilization.
0800	bldg K and bldg E has now been setup. A+V has now been okd to begin with the scope of work. Crew begins donning PPE to enter the work area. PPE consist of full body Tyvek, half mask respirators, gloves, safety glasses and hard hats.
0850	Alta Rep observes tile and mastic being removed from the HVAC Room. Wet methods are used to remove mastic and keep emissions low. Note: Tile located ~~under~~ (6) Under HVAC unit is inaccesible. All tile and mastic around unit will be removed.
0900	A+V Continues to use manual means to remove all windows and loose and flaky paint.
1000	A+V has now completed tile and mastic removal bldg K HVAC closet. Crew begins setup at bldg D room 105 D.
1100	Crew now breaks for lunch
1200	Crew returns from lunch to continue w/ the scope of work. All PPE has been re-applied prior to re-entering the work area.
1400	A+V Rep has now requested for a visual inspection at bldg E. All Loose and flaky has been removed. All window have been removed and all damaged areas have been encaped.
1530	Shift ends. Bldg D room 105D is 80% complete.

Alta Representative: Gustavo Sanchez Date: 6/28/17

Signature:

Cal/OSHA Cert. No.: 11-4732

ALTA ENVIRONMENTAL

PROJECT LOG/DAILY WORK AREA INSPECTION CHECKLIST

Date: 6-29-17 Alta representative: G. Mere

Project No.: SMSD17-6880 Project name: Jefferson E.S

Project location: Santa Monica, CA Project area: Bld D, K, Principle's off.

Material Removed: floor Tile/mastic Quantity removed: Approx 150 SF

Type of Containment:

Full: 3-stage decon/walls/ceiling/shower ✓

plash3stage decon-shower wash station

Mini: 2-stage decon-shower wash station

Glovebag/secondary containment wash station

ther (describe) Mini Decon

Respiratory Protection Used:

½ face: P100 ✓

½ face: P100/Organic

Full face: P100 ✓

PAPR-HEPA

Arrival time (Alta): 0700

Departure time (Alta): 1530

Abatement contractor: A&B

Contractor supervisor's name: Ramon Torres
(first and last)

Contractor arrival time: 0700 Departure: 1530

# of workers present: 5

Worker certifications current/available on-site Yes

Reviewed by Alta Yes

Contractor's job board present including Cal/OSHA notification and AQMD if applicable Yes

Other contractors on-site/activities: Yes

DAILY WORK AREA INSPECTION (Check 4 Times/Shift)

Decontamination Unit	Time of Inspection				QA
Proper signs at entrance and bag-out	✓	✓	✓	✓	✓
Airlock flaps intact (not taped open)	✓	✓	✓	✓	✓
Street clothing properly stored	✓	✓	✓	✓	✓
Suits/respirator filters present	✓	✓	✓	✓	✓
Area clean; waste bags not obstructing path	✓	✓	✓	✓	✓
Shower/pump/filters operating properly	✓	✓	✓	✓	✓

Pressure Differential Isolation Barriers	Time of Inspection				QA
Proper # of AFDs for area	✓	✓	✓	✓	✓
Containment smoke-tested	✓	✓	✓	✓	✓
AFDs properly vented	✓	✓	✓	✓	✓
Pre-filter clean	✓	✓	✓	✓	✓
Exhaust tubing intact	✓	✓	✓	✓	✓
Critical barriers intact	✓	✓	✓	✓	✓

Work Practices	Time of Inspection				QA
No saws/brooms in work area	✓	✓	✓	✓	✓
Material kept wet	✓	✓	✓	✓	✓
Material promptly bagged	✓	✓	✓	✓	✓
Workers in proper PPE: no cut-off sleeves of suit, no cut-off feet of suit, eye protection used, gloves used, hood up, respirator straps inside hood	✓	✓	✓	✓	✓
No eating, smoking, drinking in work area	✓	✓	✓	✓	✓

Waste Disposal	Time of Inspection				QA
Waste/debris bagged	✓	✓	✓	✓	✓
Waste double-bagged, sealed, decontaminated, labeled prior to removal	✓	✓	✓	✓	✓
Dumpster lined, labeled	✓	✓	✓	✓	✓
Dumpster closed top/locked	✓	✓	✓	✓	✓

Type of manifest (HAZ FRIABLE) (NON-FRIABLE)

# of bags ______ Manifest # ______

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ALTA ENVIRONMENTAL

Client: SMSD

Page 1 of 1

Project Name: Jefferson E.S

Alta Job No.: SMSD-17-

TIME OF OBSERVATION	COMMENTS
0700	I arrived on site and began mobilizing equipment and materials.
0800	On site is the crew from A & B, with Supervisor Ramon and 5 other workers.
0900	The scope of work for today is prepping and set up in Bldg D Complete abatement in a small section of the principle's office and Complete removal detail in Bldg C.
1050	The Crew Continues work. I update notes and logs and set up an area air Sampling in Bldg D and in the principle's office.
1100	The Crew breaks for lunch.
1200	The Crew returns from lunch and goes back to work.
1300	The Crew Continues working in the principle's office closet. After Crew removes windows in Bldg C (Bldg C). Abatement also Continued in Bldg D.
1400	The principle's office closet is ready for visual. All floor tile and wastes have been disposed. The Crew applies encap. Clearance will be tomorrow.
1500	The crew wraps up work for the day.
1530	Alt exit.

For Bag-Out Shift Only

# of Bags	Manifest #

Alta Rep. Signature: R. Mena

Cert. Number: CAC-1-4826

Date: 6-29-17

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ALTA ENVIRONMENTAL

Air Sampling Form

Client: SMSD
Project No.: SMSD-17-6280
Project Location: Jefferson E.S

Date: 6-29-17
Page: 1 of 1

Sample #	Pump #	Sample Location	Type	Activity in Progress	Start Time	Stop Time	LPM Start	LPM Stop	Volume	Fibers/ Fields	F/CC*
01	003	Bldg D - Decon Entry	OWA	Abatement	0915	1345	5	5	1200	0.08	0.003
02	001	Principles office closet - Decon	OWA	Abatement	0930	1330	5	5	1200	0.07	0.0028
03	~	Field Blank	~	~	~	~	~	~	~	~	~
04	~	Box Blank	~	~	~	~	~	~	~	~	~

Type: OWA = Outside Work Area; IWA = Inside Work Area; B = Background; P = Personal; C = Clearance

Detection limit is 5.5 f/cc

Analytical Method:

PCM-Niosh 7400	✓
TEM-AHERA	
TEM-EPA Yamate	
NIOSH-7082/Pb	

Sample Analysis:

Alta On-site	✓
Outside Lab	

Sample Media:

25 mm MCE 0.8 µg	✓
25 mm MCE 0.45 µg	
37 mm MCE	

Field Blank
Sample # 03
Fiber/Fields 0/100

Lab Blank
Sample # 05
Fiber/Fields 0/100

Microscopist: G. Mere
Microscope #: B14
Graticle field area (mm²): 0.0185
Filter area (mm²): 385
Q.C. slide readable: yes
Rotometer #: 03564

Comments:

On-Site Technician: G. Mere
Signature:
Cert Number: CAC 11-4826

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ALTA ENVIRONMENTAL

PROJECT LOG/DAILY WORK AREA INSPECTION CHECKLIST

Date: 6.30-17
Alta representative: G. Mera
Project No.: SMSD-17-6280
Project name: Jefferson E.S
Project location: Santa Monica CA
Project area: BLDG D, J, G
Material Removed: Floor Tile/mastic, mudsQuantity removed: Appox 2,000 SF

Type of Containment:

Full: 3-stage decon/walls/ceiling/shower ✓
plash3stage decon-shower wash station
Mini: 2-stage decon-shower wash station
Glovebag/secondary containment wash station
ther (describe) Mini containment

Respiratory Protection Used:

½ face: P100 ✓
½ face: P100/Organic
Full face: P100 ✓
PAPR-HEPA

Arrival time (Alta): 0700
Departure time (Alta): 1530
Abatement contractor: A & B
Contractor supervisor's name: Ramon Torres
(first and last)
Contractor arrival time: 0700 Departure: 1530
# of workers present: 5
Worker certifications current/available on-site Yes
Reviewed by Alta Yes
Contractor's job board present including Cal/OSHA notification and AQMD if applicable Yes
Other contractors on-site/activities: Yes

DAILY WORK AREA INSPECTION (Check 4 Times/Shift)

Decontamination Unit	Time of Inspection				QA
Proper signs at entrance and bag-out	☑	☑	☑	☑	☑
Airlock flaps intact (not taped open)	☑	☑	☑	☑	☑
Street clothing properly stored	☑	☑	☑	☑	☑
Suits/respirator filters present	☑	☑	☑	☑	☑
Area clean: waste bags not obstructing path	☑	☑	☑	☑	☑
Shower/pump/filters operating properly	☑	☑	☑	☑	☑

Pressure Differential Isolation Barriers	Time of Inspection				QA
Proper # of AFDs for area	☑	☑	☑	☑	☑
Containment smoke-tested	☑	☑	☑	☑	☑
AFDs properly vented	☑	☑	☑	☑	☑
Pre-filter clean	☑	☑	☑	☑	☑
Exhaust tubing intact	☑	☑	☑	☑	☑
Critical barriers intact	☑	☑	☑	☑	☑

Work Practices					
No saws/brooms in work area	☑	☑	☑	☑	☑
Material kept wet	☑	☑	☑	☑	☑
Material promptly bagged	☑	☑	☑	☑	☑
Workers in proper PPE: no cut-off sleeves of suit, no cut-off feet of suit, eye protection used, gloves used, hood up, respirator straps inside hood	☑	☑	☑	☑	☑
No eating, smoking, drinking in work area	☑	☑	☑	☑	☑

Waste Disposal	Time of Inspection				QA
Waste/debris bagged	☑	☑	☑	☑	☑
Waste double bagged, sealed, decontaminated, labeled prior to removal	☑	☑	☑	☑	☑
Dumpster lined, labeled	☑	☑	☑	☑	☑
Dumpster closed/locked	☑	☑	☑	☑	☑

Type of manifest (HAZ FRIABLE) (NON FRIABLE)
# of bags Manifest #

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ALTA ENVIRONMENTAL

Client: SMSD

Page 1 of 1

Project Name: Jefferson E.S, Santa Monica

Alta Job No.: SMSD-17-6280

TIME OF OBSERVATION	COMMENTS
0700	I arrived on Site and began mobilizing equipment and materials.
0800	On Site is the Crew from A&B Enviromental, with Supervisor Ramon Torres. There are 5 workers
0900	The Scope of work today is clearance testing in Bldg D - Rm 105A and clearance wipe Sampling in Bldg J for lead marking abatement.
	District rep has Concerns about Suspect floor tile and mastic in Bldg J Room 4 and Bldg G in the Counselling Office.
1000	I Set up TEM clearance in Bldg D Rm 105A after visually inspecting the work area.
1100	The Crew breaks for lunch.
1200	The Crew returns to work.
	I Collect Floor tile and mastic Samples in Bldg J and Bldg G.
1300	I update notes and Complete Chain of Custody for Samples going to the lab. I prepare and prep COC for TEM Samples from Bldg D.
1400	The Crew is working on debonding windows in Bldg J Room 8.
	Other Crews will begin work in the Counselors Office closet. Prepping is done.
1800	The Crew winds down for the day.

For Bag-Out Shift Only

# of Bags	Manifest #

Alta Rep. Signature: R. Ramos

Cert. Number: CAC 11-4826

Date: 6.30-17

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ALTA ENVIRONMENTAL

Air Sampling Form

Client: SMSD
Project No.: SMSD-17-6280
Project Location: Jefferson E.S, Santa Monica

Date: 6-30-17
Page: 1 of 1

Sample #	Pump #	Sample Location	Type	Activity in Progress	Start Time	Stop Time	LPM Start	LPM Stop	Volume	Fibers/ Fields	F/CC*
01	069	Bldg D Room 105A	C	None	1000	1200	10.3	10.3	1236L		
02	001	Bldg D Room 105A	C	None	1005	1205	10.3	10.3	1236L		
03	004	Bldg D Room 105A	C	None	1010	1210	10.3	10.3	1236L		
04	002	Bldg D Room 105A	C	None	1015	1215	10.3	10.3	1236L		
05	003	Bldg D Room 105A	C	None	1020	1220	10.3	10.3	1236L		
06	/	Field Blank	/	/	/	/	/	/	/		
07	/	Box Blank	/	/	/	/	/	/	/		

Type: OWA = Outside Work Area; IWA = Inside Work Area; B = Background; P = Personal; C = Clearance

Detection limit is 5.5 f/cc

Analytical Method:

PCM-Niosh 7400	
TEM-AHERA	✓
TEM-EPA Yamate	
NIOSH-7082/Pb	

Sample Media:

25 mm MCE 0.8 µg	
25 mm MCE 0.45 µg	✓
37 mm MCE	

Sample Analysis:

Alta On-site	
Outside Lab	✓

Field Blank
Sample # 06
Fiber/Fields

Lab Blank
Sample # 07
Fiber/Fields

Microscopist:
Microscope #:
Graticle field area (mm²):
Filter area (mm²):
Q.C. slide readable:
Rotometer #:

Comments: TAT = RUSH
Attn: Cesar

On-Site Technician: G. Mere
Signature:
Cert Number: CAC 11-4826

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ALTA ENVIRONMENTAL LOG SHEET

Project Name: Roosevelt ES Date: 7/3/17

Project Location: Roosevelt ES Job No.: SMUD-17-6800

Project/Area Description: Bldg J, Bldg 6

Scope of Work: Containment setup at bldg J room Rm 3, 4 and Consolers office bldg 6

Type of Containment: Full containment

Respiratory Protection: N/A

Abatement Contractor: A+V

Contractor Supervisor: Ramon Torres

Alta Rep. On-Site: Gustavo Sanchez

Project Manager: Cesar Rulvaceba

Time Arrived (Military): 630 Shift Start Time: 630

Time Left (Military): 1430 Shift End Time: 830

Type of Sample	Number of Samples Taken	Highest (f/cc)	Lowest (f/cc)
Inside Work Area			
Outside Work Area			
Personal			
Clearance			
Background			

Manometer Reading (Time reading was taken/Actual Reading)			
/	/	/	/

Other Contractors On-Site	Contractor Activities

Client: SMMUSD Page 1 of 1

Project Name: Roosevelt Alta Job No.: SMSD-17-6800

TIME OF OBSERVATION	COMMENTS
0630	Alta Rep arrives on-site to meet with A+V Rep plus five certified abatement workers. Todays scope of work will consist of Removing all windows at bldg G, full containment setup at bldg J (Rooms 4,3), and containment setup at bldg G Considers office. Note: Containmet setup for window removal will be at the East students restroom bldg G.
0700	Crew begins Demarcating the the area at the East students Restroom, and perimeter to begin.
0730	Area at building G is now setup crew begins donning PPE to enter the work area. PPE consist of full body tyvek suit, half mask, respirator, gloves, safety glasses, and hard hats.
0740	Crew now begins removal of all at (W)indows. A+V Crew is equipped with Pry bars hammers, and drills to carry out the scope of work.
900	A+V continues to perform containment setup at bldg J rooms 4, and 3 and bldg G.
1030	A+V will now break for lunch
1130	A+V returns from lunch to continue with the scope of work.
1150	A+V has been Ok'd to teardown the containment at Room 105D.
1200	A+V Continue to perform setup at build J and G.
1400	East Students Restroom has now been complete.
PM	A+V has properly removed all window, wet wipped and hepa vaccumed the area.
1530	Shift ends A+V has now completed window removal at building G. and has Completed 80% of containment set at bldg J and G.

For Bag-Out Shift Only

# of Bags	Manifest #

Alta Rep. Signature: [signature]

Cert. Number: 11-4732

Date: 7/3/17

ALTA ENVIRONMENTAL LOG SHEET

Project Name: Roosevelt ES Date: 7/5/17

Project Location: Roosevelt Job No.: SMUD-17-6800

Project/Area Description: Containment Bldg J and G. Bldg G window removal.

Scope of Work: Containment completion, carpet/tile/mastic removal

Type of Containment: Full Containment

Respiratory Protection: half mask

Abatement Contractor: A+V

Contractor Supervisor: Ramon Torres

Alta Rep. On-Site: Gustavo Sanchez

Project Manager: Cesar Rubvcaba

Time Arrived (Military): 630 Shift Start Time: 630

Time Left (Military): 1430 Shift End Time: 230

Type of Sample	Number of Samples Taken	Highest (f/cc)	Lowest (f/cc)
Inside Work Area			
Outside Work Area	3	0.003	0.003
Personal			
Clearance			
Background			

Manometer Reading (Time reading was taken/Actual Reading)			
/	/	/	/

Other Contractors On-Site	Contractor Activities

Client: SMMUSD Page 1 of 2

Project Name: Roosevelt ES Alta Job No.: SMSD-17-6800

TIME OF OBSERVATION	COMMENTS
0630	Today Scope of work will consist of setting up containment at bldg j room 4,3 and bldg G. Containment Setup at bldg B. and window removal at building G (West Building).
0640	A+V Begins demarcating the West build, building G to begin window removal.
0645	A+V Continues to perform setup at bldg j and G. Note: Both Containments will be setup to be one containment.
0700	Area at bldg G west bldg has been setup. Crew begins donning PPE to enter the work area. A+V now begins window removal.
0900	A+V Rep has now requested for a visual inspection of the work area. the area has now been properly setup. A+V has been okd to begin tile and mastic removal at buildj G and J containment.
1000	A+V are currently performing gross carpet, and tile removal from building J and G. All Waste generated is properly bagged and labeled. Crew continues to use wet methods to keep emissions level low.
1030	Crew now breaks for lunch.
1130	Crew returns from lunch to continue with the scope of work.
1140	Alta Rep now observes A+V performing containment setup at building J.
1300	A+V has now completed the gross removal of carpet and tile. Note: Terminator has been used to help removal all tile and carpet. Crew begins bagging all gross debris generated during the shift.

For Bag-Out Shift Only

# of Bags	Manifest #

Alta Rep. Signature:

Cert. Number: 11-4732

Date: 8/8/17

Client: SMMUSD

Page 2 of 2

Project Name: Roosevelt

Alta Job No.: SMSD-17-6800

TIME OF OBSERVATION	COMMENTS
1530	Shift ends. All Tile has now been removed from building J + 6. All debris generated has been bagged. A+U has completed 50% of window removal at bldg 6.

For Bag-Out Shift Only

# of Bags	Manifest #

Alta Rep. Signature: [signature]

Cert. Number: 11-4732

Date: 7/5/17

ALTA ENVIRONMENTAL

Air Sampling Form

Client: SMMUSD
Project No.: SMUD-17-6800
Project Location: Roosevelt ES

Date: 7/5/17
Page: 1 of 1

Sample #	Pump #	Sample Location	Type	Activity in Progress	Start Time	Stop Time	LPM Start	LPM Stop	Volume	Fibers/ Fields	F/CC*
0705-01		Recon Bldg 6/J	OWA	Tile/Mastic	0917	1416	3.0	3.0	897	6/100	0.007
" -02		Nes Air Bldg 6/J	"	"	0922	1418	3.0	3.0	888	6/100	0.007
" -03		West Corridor Bldg 6/J	"	"	0925	1419	3.0	3.0	882	2/100	0.003

Type: OWA = Outside Work Area; IWA = Inside Work Area; B = Background; P = Personal; C = Clearance

Detection limit is 5.5 f/cc

Analytical Method:

PCM-Niosh 7400	✓
TEM-AHERA	
TEM-EPA Yamate	
NIOSH-7082/Pb	

Sample Media:

25 mm MCE 0.8 µg	✓
25 mm MCE 0.45 µg	
37 mm MCE	

Sample Analysis:

Alta On-site	✓
Outside Lab	

Field Blank
Sample # FBL-01
Fiber/Fields 0/100

Lab Blank
Sample # FBL-02
Fiber/Fields 0/100

Microscopist: G. Sanchez
Microscope #: 2
Graticle field area (mm²): 0.00785
Filter area (mm²): 385
Q.C. slide readable: 5
Rotometer #: 6507

Comments:

On-Site Technician: Gustavo Sanchez
Signature:
Cert Number: 11-4732

ALTA ENVIRONMENTAL LOG SHEET

Project Name: Roosevelt ES Date: 7/6/17

Project Location: Roosevelt ES Job No.: SMUD-17-6800

Project/Area Description: Containment setup at bldg B.

Scope of Work: Containment setup at bldg B. Tile removal @ J + G.

Type of Containment: Full Containment

Respiratory Protection: half mask

Abatement Contractor: A+V

Contractor Supervisor: Ramon Torres

Alta Rep. On-Site: Gustavo Sanchez

Project Manager: Cesar Rulvacaba

Time Arrived (Military): 630 Shift Start Time: 630

Time Left (Military): 1430 Shift End Time: 230

Type of Sample	Number of Samples Taken	Highest (f/cc)	Lowest (f/cc)
Inside Work Area			
Outside Work Area	3	0.003	0.001
Personal			
Clearance			
Background			

Manometer Reading (Time reading was taken/Actual Reading)			
/	/	/	/

Other Contractors On-Site	Contractor Activities

Client: SMMUSD Page 1 of 1

Project Name: Roosevelt ES Alta Job No. SMSD-17-6900

TIME OF OBSERVATION	COMMENTS
0630	Todays scope of work will consist of removing gross amounts of mastic at bldg J+6 containment, Continuing window removal at bldg G. West offices, and containment setup at bldg B.
0640	A+V Begins donning PPE to enter the work areas. PPE Consist of full body tyvek, half mask respirators, gloves, safety glasses, hard hats, and feet protection.
0720	Alta Rep observes A+V using manual means to remove all with frames at the office building at building G. All debris generated remains within the work area.
0750	Alta Rep observe A+V using floor buffers at bldg J+6 containment. All waste generated is properly bagged and labeled. Wet methods continues to be used to keep emission low.
0930	A+V Continues to perform full containment throught-out Building B. (classroom 18,19,20,21).
1030	Crew now breaks for lunch. All PPE is properly removed prior to exiting the work area.
1130	Crew returns from lunch to continue with the scope of work. All PPE has been re-applied prior to reentering the work area.
1300	A+V has now completed window frame removal at building G. Work Area is wet wiped, and heapa vacuum. Area is now ready for clearance.
1490	A+V now begins ending shift. Area is lock down.
1500	Shift ends.

For Bag-Out Shift Only

# of Bags	Manifest #

Alta Rep. Signature: [signature]

Cert. Number: 11-4732

Date: 7/6/17

ALTA ENVIRONMENTAL

Air Sampling Form

Client: SMMUSD
Project No.: SMSD-17-6800
Project Location: Roosevelt ES

Date: 7/6/17
Page: 1 of 1

Sample #	Pump #	Sample Location	Type	Activity in Progress	Start Time	Stop Time	LPM Start	LPM Stop	Volume	Fibers/ Fields	F/CC*
01		Bldg J/G Decon Unit	OWA	Tile/Mastic	0656	1456	3.0	3.0	1440	9/100	0.003
02		" " Negative Air Exhaust	"	"	0653	1459	3.0	3.0	1458	3/100	0.001
03		" " East of Corridor	"	"	0659	1450	3.0	3.0	1413	2/100	0.001

Type: OWA = Outside Work Area; IWA = Inside Work Area; B = Background; P = Personal; C = Clearance

Detection limit is 5.5 f/cc

Analytical Method:

PCM-Niosh 7400	
TEM-AHERA	✓
TEM-EPA Yamate	
NIOSH-7082/Pb	

Sample Media:

25 mm MCE 0.8 µg	
25 mm MCE 0.45 µg	✓
37 mm MCE	

Sample Analysis:

Alta On-site	✓
Outside Lab	

Field Blank
Sample # FBL-01
Fiber/Fields 0/100

Lab Blank
Sample # LB-01
Fiber/Fields 0/100

Microscopist: GSc
Microscope #: 2
Graticle field area (mm²): 0.00785
Filter area (mm²): 385
Q.C. slide readable: S
Rotometer #: 6501

Comments:

On-Site Technician: Gustavo Sanchez
Signature:
Cert Number: 11-4732

ALTA ENVIRONMENTAL LOG SHEET

Project Name: Roosevelt ES Date: 7/7/17

Project Location: Roosevelt ES Job No.: SMSD-17-6800

Project/Area Description: Bldg G+J

Scope of Work: Tile Removal at bldg J+6

Type of Containment: Full Containment

Respiratory Protection: Half mask respirator

Abatement Contractor: A+V

Contractor Supervisor: Ramon Torres

Alta Rep. On-Site: Gustavo Sanchez

Project Manager: Cesar Rulueba

Time Arrived (Military): 0630 Shift Start Time: 630

Time Left (Military): 1430 Shift End Time: 230

Type of Sample	Number of Samples Taken	Highest (f/cc)	Lowest (f/cc)
Inside Work Area			
Outside Work Area	3	0.002	0.001
Personal			
Clearance			
Background			

Manometer Reading (Time reading was taken/Actual Reading)			
/	/	/	/

Other Contractors On-Site	Contractor Activities

Client: Roosevelt

Page 1 of 1

Project Name: SMMUSD

Alta Job No.: SMSD-17-6800

TIME OF OBSERVATION	COMMENTS
0630	Alta Rep arrives on-site to meet with A+V Rep plus six certified abatement workers. Todays scope of work will consist of completing mastic clean up at bldg J+6 Crew begins donning PPE to enter the Work area. PPE consist of full body Tyvek, half mask respirator, gloves safety glasses and hard hats.
0700	A+V are now equipped with floor buffers, mastic remover, rags, and scrubbers. Airless sprayers with amended water is used to keep emissions low.
0900	A+V Continues to perform grass removal at bldg J+6 containment. All debris generated is properly bagged and labeled. Once bagged the waste is sent near load-out to be sent to the poly lined waste unit.
1000	A+V has now completed gross removal of mastic through-out bldg 6+J containment. Crew now begins detailing the area for visual inspection.
1030	Crew now breaks for lunch.
1130	Crew returns from lunch to continue with scope of work. All PPE has been re-applied prior to re-entering the work area.
1300	A+V Rep has now requested for a visual inspection of the work Area. The area has been properly cleaned. A+V has been ok'd to encapsulate the work Area.
1330	Crew Continue to encap the area and load-out all bagged waste from the work area.
1500	Shift ends.

For Bag-Out Shift Only

# of Bags	Manifest #

Alta Rep. Signature:

Cert. Number: 11-4732

Date: 8/7/17

ALTA ENVIRONMENTAL

Air Sampling Form

Client: SMMUSD
Project No.: SMSD-17-6800
Project Location: Roosevelt ES

Date: 7/7/17
Page: ___ of ___

Sample #	Pump #	Sample Location	Type	Activity in Progress	Start Time	Stop Time	LPM Start	LPM Stop	Volume	Fibers/ Fields	F/CC*
0707-01		Decon Unit Bldg 6/J	OWA	Tile/Mastic	0642	1447	3.0	3.0	1455	6/100	0.002
↓-02		Neg Air Exhaust ↓ ↓		↓	0647	1449	3.0	3.0	1446	3/100	0.001
↓-03		West Corridor Perimeter		↓	0644	1451	3.0	3.0	1461	1/100	0.001

Type: OWA = Outside Work Area; IWA = Inside Work Area; B = Background; P = Personal; C = Clearance

Detection limit is 5.5 f/cc

Analytical Method:

PCM-Niosh 7400	✓
TEM-AHERA	
TEM-EPA Yamate	
NIOSH-7082/Pb	

Sample Media:

25 mm MCE 0.8 µg	✓
25 mm MCE 0.45 µg	
37 mm MCE	

Sample Analysis:

Alta On-site	✓
Outside Lab	

Field Blank
Sample # FBL-01
Fiber/Fields 1/100

Lab Blank
Sample # BL-02
Fiber/Fields 0/100

Microscopist: GS
Microscope #: 2
Graticle field area (mm²): 0.00785
Filter area (mm²): 385
Q.C. slide readable: 5
Rotometer #: 6507

Comments:

On-Site Technician: Gustavo Sanchez
Signature:
Cert Number: 11-4732

ALTA ENVIRONMENTAL LOG SHEET

Project Name: Roosevelt ES Date: 7/10/17

Project Location: Roosevelt ES Job No.: SMUD-17-6800

Project/Area Description: Bldg 5+6

Scope of Work: Tile & Mastic Removal

Type of Containment: Full Containment

Respiratory Protection: Half mask respirator

Abatement Contractor: A+V

Contractor Supervisor: Ramon Torres

Alta Rep. On-Site: Gustavo Sanchez

Project Manager: Cesar Rulvcaba

Time Arrived (Military): 0630 Shift Start Time: 630

Time Left (Military): 1430 Shift End Time: 230

Type of Sample	Number of Samples Taken	Highest (f/cc)	Lowest (f/cc)
Inside Work Area			
Outside Work Area	3	0.002	0.002
Personal			
Clearance			
Background			

Manometer Reading (Time reading was taken/Actual Reading)			
/	/	/	/

Other Contractors On-Site	Contractor Activities

Client: SMMUSD Page 1 of 1

Project Name: Roosevelt ES Alta Job No.: SMMUSD-17-6802

TIME OF OBSERVATION	COMMENTS
630	Alta Rep arrives on-site to meet with A+V Rep plus SIX certified abatement workers. Todays scope of work will consist of completing containment setup at bldg B, containment teardown at bldg J, and window removal at bldg J. Crew begins with the scope of work.
0645	A+V Begins tearing down bldg J Containment. All poly is properly disposed of.
0900	A+V Rep has now requested for a visual inspection for building B. Containment. Area has been properly setup. A+V has been ok'd to begin with the scope of work.
0920	A+V Begin demarcating building J and setting up drop cloth to begin window removal.
0940	Alta Rep observes A+V now removing carpet and tile from rooms. All debris generated is properly bagged and labeled.
1030	Crew now breaks for lunch.
1130	Crew returns from lunch to continue with the scope of work. All PPE has been re-applied prior to re-entering the work area.
1500	Shift ends. A+V has now removed 80% of all tile and carpet at bldg B, 80% of all windows at bldg J Areas have been properly locked down. Shift ends.

For Bag-Out Shift Only

# of Bags	Manifest #

Alta Rep. Signature: [signature]
Cert. Number: 11-4732
Date: 7/10/17

ALTA ENVIRONMENTAL

Air Sampling Form

Client: SMUD
Project No.: SMUD-17-6800
Project Location: Roosevelt ES

Date: 7/10/17
Page: 1 of 1

Sample #	Pump #	Sample Location	Type	Activity in Progress	Start Time	Stop Time	LPM Start	LPM Stop	Volume	Fibers/ Fields	F/CC*
01		Bldg B Decon	OWA	Tile/Mastic	0921	1456	3.0	3.0	1005	2/100	0.002
02		1 West Perimeter load-out	1	1	0924	1456	3.0	3.0	996	4/100	0.002
03		1 Negative Air	1	1	0927	1458	3.0	3.0	993	6/100	0.002

Type: OWA = Outside Work Area; IWA = Inside Work Area; B = Background; P = Personal; C = Clearance

Detection limit is 5.5 f/cc

Analytical Method:

PCM-Niosh 7400	✓
TEM-AHERA	
TEM-EPA Yamate	
NIOSH-7082/Pb	

Sample Media:

25 mm MCE 0.8 µg	✓
25 mm MCE 0.45 µg	
37 mm MCE	

Sample Analysis:

Alta On-site	✓
Outside Lab	

Field Blank
Sample # BL-01
Fiber/Fields 0/100

Lab Blank
Sample # BL-02
Fiber/Fields 1/100

Microscopist: GS
Microscope #: 2
Graticle field area (mm²): 0.00785
Filter area (mm²): 385
Q.C. slide readable: S
Rotometer #: G501

Comments:

On-Site Technician: Gustavo Sanchez
Signature:
Cert Number: 11-4732

ALTA ENVIRONMENTAL

Log Sheet

Project Name: Roosevelt ES Date: 7/11/17

Project Location: Roosevelt ES Job No.: SMUD-17-6860

Project/Area Description: Bldg B

Scope of Work: Tile and Mastic Removal

Type of Containment: Full Containment

Respiratory Protection: half mask respirators

Abatement Contractor: A+V

Contractor Supervisor: Ramon Torres

Alta Rep. On-Site: Gustavo Sanchez

Project Manager: Cesar Rubalcaba

Time Arrived (Military): 0630 Shift Start Time: 630

Time Left (Military): 1430 Shift End Time: 230

Type of Sample	Number of Samples Taken	Highest (f/cc)	Lowest (f/cc)
Inside Work Area			
Outside Work Area	3	0.002	0.001
Personal			
Clearance			
Background			

Manometer Reading (Time reading was taken/Actual Reading			
/	/	/	/

Other Contractors On-Site	Contractor Activities

Client: SMMUSD Page 1 of 2

Project Name: Roosevelt ES Alta Job No.: SMSD-17-6300

TIME OF OBSERVATION	COMMENTS
0630	Alta Rep arrives on-site to meet A+V Rep plus 5 Certified abatement workers at Roosevelt ES. Todays scope of work will consist of removing tile, and mastic at Bldg B, Window removal at bldg J
0635	Crew now begins donning PPE to enter the work area. PPE consist of full body tyvek, Half mask respirators, gloves, safety glasses, and hard hats.
0640	Crew now enter the work area to begin with scope.
0700	Alta Rep observe A+V now perform window removal at bldg J. A+V are using manual means to remove all window. All debris generated is properly burrito wrapped and sent to the proper waste unit.
0820	A+V continues to remove all mastic and tile at bldg B. Wet methods continues to be used.
1000	A+V Rep has now requested for a visual inspection at bldg J Window removal area. The area has been properly cleaned. A+V has been ok'd to encapsulate the work area.
1030	A+V has now removed 45 % of mastic through-out the work area at bldg B. All generated waste is properly bagged.
1130	Crew now breaks for lunch. Crew now returns from lunch to continue with the scope of work. All PPE has been re-applied prior to re-entering the work area.
1300	A+V Continues to use damp rags to clean up all excess mastic residue. Wet methods continues to be used to keep emissions low.
1500	Shift ends. Area Lock down.

For Bag-Out Shift Only

# of Bags	Manifest #

Alta Rep. Signature:

Cert. Number: 17-4732

Date: 7/17/17

ALTA ENVIRONMENTAL

Air Sampling Form

Client: SMMUSD
Project No.: SMSD-17-6800
Project Location: Roosevelt ES

Date: 7/11/17
Page: 1 of 1

Sample #	Pump #	Sample Location	Type	Activity in Progress	Start Time	Stop Time	LPM Start	LPM Stop	Volume	Fibers/ Fields	F/CC*
01		Bldg D Load-out	OWA	Tile Matic	0637	1501	3.0	3.0	1512	9/100	0.002
02		" Decon Unit	"	"	0639	1503	3.0	3.0	1512	3/100	0.001
03		" South Neg Air	"	"	0641	1507	3.0	3.0	1506	6/100	0.001

Type: OWA = Outside Work Area; IWA = Inside Work Area; B = Background; P = Personal; C = Clearance

Detection limit is 5.5 f/cc

Analytical Method:

PCM-Niosh 7400	✓
TEM-AHERA	
TEM-EPA Yamate	
NIOSH-7082/Pb	

Sample Media:

25 mm MCE 0.8 µg	✓
25 mm MCE 0.45 µg	
37 mm MCE	

Sample Analysis:

Alta On-site	✓
Outside Lab	

Field Blank
Sample # DL-01
Fiber/Fields 0/100

Lab Blank
Sample # DL-02
Fiber/Fields 0/100

Microscopist: G.S
Microscope #: 2
Graticle field area (mm²): 0.00785
Filter area (mm²): 385
Q.C. slide readable: S
Rotometer #: 6501

Comments:

On-Site Technician: Gerardo Sandoval
Signature:
Cert Number: 11-4732

ALTA ENVIRONMENTAL

Log Sheet

Project Name: Roosevelt ES Date: 7/12/17

Project Location: Roosevelt ES Job No.: SMUD-17-6800

Project/Area Description: Bldg B

Scope of Work: Tile & Mastic Removal

Type of Containment: Full Containment

Respiratory Protection: Half mask

Abatement Contractor: ATV

Contractor Supervisor: Ramon Torres

Alta Rep. On-Site: Gustavo Sanchez

Project Manager: Cesar Valvacaba

Time Arrived (Military): 0630 Shift Start Time: 630

Time Left (Military): 1430 Shift End Time: 230

Type of Sample	Number of Samples Taken	Highest (f/cc)	Lowest (f/cc)
Inside Work Area			
Outside Work Area	3	0.002	0.001
Personal			
Clearance			
Background			

Manometer Reading (Time reading was taken/Actual Reading			
/	/	/	/

Other Contractors On-Site	Contractor Activities

Client: SMMUSD Page 1 of 1

Project Name: Roosevelt ES Alta Job No.: SMSD-17-6800

TIME OF OBSERVATION	COMMENTS
0630	Alta Rep arrives on-site to meet with A+V Rep plus six certified abatement workers at bldg B. Todays scope of work will consist of mastic clean up through-out the work area.
0635	Crew begins donning PPE to enter the work area. PPE consist of fully body tyvek, half mask respirator
0640	safety glasses, gloves and safety glasses. Crew enters the work area equipped with floor buffers, rags, hepa vaccums, shovels, hand scrubbers, and mastic remover. Crew begin removal.
0830	A+V Continues to perform mastic removal. All waste generated is properly bagged and sent to the waste unit.
1030	Crew now breaks for lunch.
1130	Crew returns from lunch to continue with continue with the scope of work. All PPE has been properly re-applied prior to re-entering the work area. Note: A+V has sent half of work load to bldg H to remove non-lead windows. Directed by G.C.
1400	A+V has now completed gross remove of all mastic through-out the units. Note! Tile and mastic remains under cabinets due to inaccessibility.
1415	Crew begins loading ~~out~~, all tools not used for detailing. Prior to removing all tools are decontaminated.
1450	Majority of the Area is wet A+V will now end shift until dry to see area where mastic remains. Shift ends.

For Bag-Out Shift Only

# of Bags	Manifest #

Alta Rep. Signature:

Cert. Number: 11-4732

Date: 7/12/17

ALTA ENVIRONMENTAL

Air Sampling Form

Client: SMMUSD
Project No.: SMSD-17-6800
Project Location: Roosevelt ES

Date: 7/12/17
Page: 1 of 1

Sample #	Pump #	Sample Location	Type	Activity in Progress	Start Time	Stop Time	LPM Start	LPM Stop	Volume	Fibers/ Fields	F/CC*
0712-01		Bldg B Load-out	OWA	Tile Mastic	0649	1451	3.0	3.0	1446	6/100	0.002
1 -02		1 Neg Air South	1	1	0651	1453	3.0	3.0	1446	2/100	0.001
1 -03		1 Decon Unit	1	1	0653	1455	3.0	3.0	1446	2/100	0.001

Type: OWA = Outside Work Area; IWA = Inside Work Area; B = Background; P = Personal; C = Clearance

Detection limit is 5.5 f/cc

Analytical Method:

PCM-Niosh 7400	✓
TEM-AHERA	
TEM-EPA Yamate	
NIOSH-7082/Pb	

Sample Media:

25 mm MCE 0.8 µg	✓
25 mm MCE 0.45 µg	
37 mm MCE	

Sample Analysis:

Alta On-site	✓
Outside Lab	

Field Blank
Sample # B1-01
Fiber/Fields 0/100

Lab Blank
Sample # B1-02
Fiber/Fields 0/100

Microscopist: G.S
Microscope #: 2
Graticle field area (mm²): 0.00785
Filter area (mm²): 385
Q.C. slide readable: S
Rotometer #: 6507

Comments:

On-Site Technician: Gustavo Sanchez
Signature:
Cert Number: 11-4732

ALTA ENVIRONMENTAL

Log Sheet

Project Name: SMMUSD Date: 7/13/17

Project Location: Roosevelt ES Job No.: SMSD-17-6800

Project/Area Description: Roosevelt ES

Scope of Work: tile / Mastic Removal

Type of Containment: Full Containment

Respiratory Protection: half mask

Abatement Contractor: ATV

Contractor Supervisor: Ramon Torres

Alta Rep. On-Site: Gustavo S

Project Manager: Cesar Rulueteba

Time Arrived (Military): 630 Shift Start Time: 630

Time Left (Military): 1430 Shift End Time: 1430

Type of Sample	Number of Samples Taken	Highest (f/cc)	Lowest (f/cc)
Inside Work Area			
Outside Work Area	3	0.003	0.002
Personal			
Clearance			
Background			

Manometer Reading (Time reading was taken/Actual Reading			
/	/	/	/

Other Contractors On-Site	Contractor Activities

Client: SMMUSD Page 1 of 1

Project Name: Roosevelt ES Alta Job No.: SMSD-17-6800

TIME OF OBSERVATION	COMMENTS
0600	Alta Rep arrives on-site to meet with A+V Rep plus certified abatement workers at bldg B to continue with the scope of work. Todays Scope of work will consist of detailing bldg B for final inspection.
0605	Crew begins donning PPE to enter the work area. PPE consist of full body tyvek, half mask respirator, gloves, safety glasses and hard hats.
0610	Crew now enters the work area equipped with hand scrubbers, airless and rags to detail the area. Note! All Wet spots have dried from the work on previous shift allowing A+V more visability of remaining mastic.
0900	Crew continues to manually remove mastic All debris generated is properly cleaned
1000	Crew now break For lunch
1100	Crew returns From lunch to continue w/ the scope of work all PPE is properly re-applied.
1200	A+V has now requested For a final visual at bldg B. Area has been properly cleaned. A+V has been ok'd to encapsulate the area.
1430	Shift ens.

For Bag-Out Shift Only

# of Bags	Manifest #

Alta Rep. Signature:

Cert. Number: 11-4732

Date: 7/13/17

ALTA ENVIRONMENTAL

Air Sampling Form

Client: SMMUSD
Project No.: SMSD-17-6200
Project Location: Roosevelt ES

Date: 7/13/17
Page: 1 of 1

Sample #	Pump #	Sample Location	Type	Activity in Progress	Start Time	Stop Time	LPM Start	LPM Stop	Volume	Fibers/ Fields	F/CC*
0713-01		Load-out Bldg B	OWA	Tile Mastic	0631	1309	3.0	3.0	1194	9/100	0.003
1-02		Decon Bldg B	1	1	0636	1311	3.0	3.0	1185	3/100	0.002
1-03		South Neg Air Exhaust Bldg B	1	1	0638	1313	3.0	3.0	1185	6/100	0.002

Type: OWA = Outside Work Area; IWA = Inside Work Area; B = Background; P = Personal; C = Clearance

Detection limit is 5.5 f/cc

Analytical Method:

PCM-Niosh 7400	✓
TEM-AHERA	
TEM-EPA Yamate	
NIOSH-7082/Pb	

Sample Media:

25 mm MCE 0.8 µg	✓
25 mm MCE 0.45 µg	
37 mm MCE	

Sample Analysis:

Alta On-site	✓
Outside Lab	

Field Blank
Sample # BL-01
Fiber/Fields 0/100

Lab Blank
Sample # BL-02
Fiber/Fields 0/100

Microscopist: G.S
Microscope #: 2
Graticle field area (mm²): 0.00785
Filter area (mm²): 385
Q.C. slide readable: S
Rotometer #: 6501

Comments:

On-Site Technician: Gustavo Sanchez
Signature:
Cert Number: 11-4732

Appendix B

Laboratory Reports

1) **Asbestos Fiber Analysis Report : TEM**
2) **Asbestos Bulk Sample Analysis Reports : PLM**
3) **Lead in Wipe Sample Analysis Report**

1) Asbestos Fiber Analysis Report : TEM

Please Reply To:

AmeriSci Los Angeles
24416 S. Main Street, Ste 308
Carson, California 90745
TEL: (310) 834-4868 • FAX: (310) 834-4772

FACSIMILE TELECOPY TRANSMISSION

To: Cesar Rulvacaba
Alta Environmental
Fax #:

Email: cesar.ruvalcaba@altaenviron.com

From: Tyler D Miller
AmeriSci Job #: 917071398
Subject: AHERA Protocol 6-8 hour Results
Client Project: 17-6800; Roosevelt ES; Bldg. B

Date: Friday, July 14, 2017
Time: 13:42:30
Comments:

Number of Pages: 3 (including cover sheet)

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Table I
Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (air)
17-6800; Roosevelt ES; Bldg. B

AmeriSci Sample #	Client Sample #	Dilution Factor	Air Filtered (liters)	Area Analyzed (sq. mm.)	* Analytical Sensitivity (struc/cc air)	Asbestos Structures Detected (Microns)			Structure Density (struc/sq mm)		Structure Concentration (struc/cc air)		Type of Asbestos
						0.5-5.0	>=5.0	Total	>=5.0	Total	>=5.0	Total	
01 inside	01		1350	.060	0.0047	0.0	0.0	0.0	<16.6	<16.6	<0.0047	<0.0047	NSD
Location: Center Rm 21													
02 inside	02		1310	.060	0.0049	0.0	0.0	0.0	<16.6	<16.6	<0.0049	<0.0049	NSD
Location: Center Rm 20													
03 inside	03		1300	.060	0.0049	0.0	0.0	0.0	<16.6	<16.6	<0.0049	<0.0049	NSD
Location: Center Rm 19													
04 inside	04		1440	.060	0.0044	0.0	0.0	0.0	<16.6	<16.6	<0.0044	<0.0044	NSD
Location: Center Rm 18													
05 inside	05		1340	.060	0.0048	0.0	0.0	0.0	<16.6	<16.6	<0.0048	<0.0048	NSD
Location: Corridor Center Bldg. B													
06 blank**	06		0										
Location: Blank Inside													
07 blank**	07		0										
Location: Blank Outside													

* concentration represented by the detection of 1 structure
** not analyzed
NSD: No Asbestos Structures Detected

Mean Total Structure Density For Inside Samples: 0 structures/sq. mm.

Reviewed By: _____ ; Analyzed By: Tyler D Miller Date: 7/14/2017

NVLAP#: 200346-0

AMERISCI
www.amerisci.com

Asbestos, Lead Analysis Chain of Custody

AMERISCI JOB #: 917071348

AMERISCI LOS ANGELES
24416 S Main St. Suite 308
Carson, CA 90745
Phone (310) 834-4868
Fax (310) 834-4772

COMPANY:	ADDRESS:	P.O.#:
Alta Environmental	3777 Long Beach Blvd Long Beach CA	

PROJECT INFORMATION	ANALYSIS TYPE	TURNAROUND TIME					AIR FILTER INFORMATION:	
		RUSH	24 HR	48 HR	72 HR	5 DAY		
JOB NAME: Roosevelt ES	ASBESTOS TEM AHERA	X					MCE	
	ASBESTOS PLM BULK						PC	
JOB NUMBER: 17-6800	ASBESTOS PCM AIR						25 mm	
	ASBESTOS PLM 1000 P.C.						37 mm	
JOB MANAGER: Cesar Rubalcaba	LEAD AIR						0.45 um	
	LEAD WIPE						0.80 um	
JOB DESCRIPTION: Bldg B	LEAD PAINT / SOLID						TEMP:	
	OTHER:						OTHER:	

INITIAL RESULTS DELIVERY: ☐ FAX ☐ EMAIL ☐ VERBAL ☐ MAIL ONLY — RETURN SAMPLES YES_____

REPORTS TO: Cesar.rubalcaba@altenvironcom — PHONE:

INVOICE TO: — FAX:

COMMENTS: — EMAIL:

PAGER/CELL:

SAMPLE ID	SAMPLE LOCATION	START TIME	STOP TIME	TOTAL TIME	X LITERS /MIN.	= TOTAL VOLUME	AREA SQUARE FT
01	Center Rm 21	0647	0907	135	10	1350	
02	Center Rm 20	0650	0901	131	10	1310	
03	Center Rm 19	0654	0904	130	10	1306	
04	Center Rm 18	0641	0905	144	10	1440	
05	Corridor Center Bldg B	0656	0910	134	10	1340	
06	Blank Inside	"	"	"	30cc	"	
07	Blank Outside	"	"	"	30cc	"	

SAMPLED BY:	DATE/TIME: 7/14/17	RECEIVED BY:	DATE/TIME:
RELINQUISHED BY:	DATE/TIME: 7/14/17	RECEIVED BY:	DATE/TIME:
RELINQUISHED BY:	DATE/TIME:	RECEIVED IN LAB BY:	DATE/TIME: 7/14/17 @ 1015

Please Reply To:

AmeriSci Los Angeles
24416 S. Main Street, Ste 308
Carson, California 90745
TEL: (310) 834-4868 • FAX: (310) 834-4772

FACSIMILE TELECOPY TRANSMISSION

To:	Cesar Ruvalcaba Alta Environmental	**From:**	Glenn F. Massey
		AmeriSci Job #:	917061579
Fax #:		**Subject:**	AHERA Protocol 6-8 hour Results
		Client Project:	SMSD-17-6280; SMSD; Roosevelt ES - 801 Montana Ave. Santa Monica
Email:	cesar.ruvalcaba@altaenviron.com		

Date: Saturday, June 17, 2017
Time: 14:33:25
Comments:

Number of Pages: 3 (including cover sheet)

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AmeriSci Job #: **917061579**

Client Name: Alta Environmental

Table I
Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (air)

SMSD-17-6280; SMSD; Roosevelt ES - 801 Montana Ave. Santa Monica

AmeriSci Sample #	Client Sample #	Dilution Factor	Air Filtered (liters)	Area Analyzed (sq. mm.)	* Analytical Sensitivity (struc/cc air)	Asbestos Structures Detected (Microns)			Structure Density (struc/sq mm)		Structure Concentration (struc/cc air)		Type of Asbestos
						0.5-5.0	>=5.0	Total	>=5.0	Total	>=5.0	Total	
01 inside	01		1236	.060	0.0052	0.0	0.0	0.0	<16.6	<16.6	<0.0052	<0.0052	NSD
Location: Bldg. C - Room 1													
02 inside	02		1236	.060	0.0052	0.0	0.0	0.0	<16.6	<16.6	<0.0052	<0.0052	NSD
Location: Bldg. C - Room 2													
03 inside	03		1236	.060	0.0052	0.0	0.0	0.0	<16.6	<16.6	<0.0052	<0.0052	NSD
Location: Bldg. C - Room 3													
04 inside	04		1236	.060	0.0052	0.0	0.0	0.0	<16.6	<16.6	<0.0052	<0.0052	NSD
Location: Bldg. C - Room 4													
05 inside	05		1236	.060	0.0052	0.0	0.0	0.0	<16.6	<16.6	<0.0052	<0.0052	NSD
Location: Bldg. C - Room 5													
06**	06		0										
Location:													
07**	07		0										
Location:													

* concentration represented by the detection of 1 structure

** not analyzed

NSD: No Asbestos Structures Detected

Mean Total Structure Density For Inside Samples: 0 structures/sq. mm.

Reviewed By: _____ ; Analyzed By: _____ Date: 6/17/2017

Glenn F. Massey

NVLAP#: 200346-0

ALTA ENVIRONMENTAL

170615 79

TAT = RUSH

Air Sampling Form

Client: SMSD
Project No.: SMSD-17-6280
Project Location: Rossevelt ES - 801 Montana Ave, Santa Monica

Date: 6-17-17
Page: 1 of 1

Sample #	Pump #	Sample Location	Type	Activity in Progress	Start Time	Stop Time	LPM Start	LPM Stop	Volume	Fibers/ Fields	F/CC*
01	001	Bldg C - Room 1	C	None	0840	1040	10.3	10.3	1236		
02	002	Bldg C - Room 2	C	None	0845	1045	10.3	10.3	1236		
03	003	Bldg C - Room 3	C	None	0850	1050	10.3	10.3	1236		
04	005	Bldg C - Room 4	C	None	0855	1055	10.3	10.3	1236		
05	004	Bldg C - Room 5	C	None	0900	1100	10.3	10.3	1236		
06	—	—	—	—	—	—	—	—	—		
07	—	—	—	—	—	—	—	—	—		

Type: OWA = Outside Work Area; IWA = Inside Work Area; B = Background; P = Personal; C = Clearance

Detection limit is 5.5 f/cc

Analytical Method:

PCM-Niosh 7400	
TEM-AHERA	✓
TEM-EPA Yamate	
NIOSH-7082/Pb	

Sample Media:

25 mm MCE 0.8 µg	
25 mm MCE 0.45 µg	✓
37 mm MCE	

Sample Analysis:

Alta On-site	
Outside Lab	✓

Field Blank
Sample # 08
Fiber/Fields

Lab Blank
Sample # 07
Fiber/Fields

Microscopist:
Microscope #:
Graticle field area (mm²):
Filter area (mm²):
Q.C. slide readable:
Rotometer #:

Comments: TAT = RUSH

On-Site Technician: G. MERE
Signature:
Cert Number: 17-4826

F:\Mereson\Alta Forms\Air Sampling Form2011.doc

Fwd By: pbrown 6/17/17 @ 2.05 AM

Please Reply To:

AmeriSci Los Angeles
24416 S. Main Street, Ste 308
Carson, California 90745
TEL: (310) 834-4868 • FAX: (310) 834-4772

FACSIMILE TELECOPY TRANSMISSION

To: Cesar Ruvalcaba
Alta Environmental
Fax #:
Email: cesar.ruvalcaba@altaenviron.com

From: Glenn F. Massey
AmeriSci Job #: 917062042
Subject: AHERA Protocol 6-8 hour Results
Client Project: SMSD-17-6280; SMSD; Roosevelt E.S., Santa Monica (Report Amended 7/5/2017)

Date: Wednesday, July 05, 2017
Time: 11:16:41
Comments:

Number of Pages: 3 (including cover sheet)

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Table I
Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (air)

SMSD-17-6280; SMSD; Roosevelt E.S., Santa Monica (Report Amended 7/5/2017)

AmeriSci Sample #	Client Sample #	Dilution Factor	Air Filtered (liters)	Area Analyzed (sq. mm.)	* Analytical Sensitivity (struc/cc air)	Asbestos Structures Detected (Microns)			Structure Density (struc/sq mm)		Structure Concentration (struc/cc air)		Type of Asbestos
						0.5-5.0	>=5.0	Total	>=5.0	Total	>=5.0	Total	
01 inside	01		1236	.060	0.0052	0.0	0.0	0.0	<16.6	<16.6	<0.0052	<0.0052	NSD
Location: Bldg. D Room 105A													
02 inside	02		1236	.060	0.0052	0.0	0.0	0.0	<16.6	<16.6	<0.0052	<0.0052	NSD
Location: Bldg. D Room 105A													
03 inside	03		1236	.060	0.0052	0.0	0.0	0.0	<16.6	<16.6	<0.0052	<0.0052	NSD
Location: Bldg. D Room 105A													
04 inside	04		1236	.060	0.0052	0.0	0.0	0.0	<16.6	<16.6	<0.0052	<0.0052	NSD
Location: Bldg. D Room 105A													
05 inside	05		1236	.060	0.0052	0.0	0.0	0.0	<16.6	<16.6	<0.0052	<0.0052	NSD
Location: Bldg. D Room 105A													
06 blank**	06		0										
Location: Field Blank													
07 blank**	07		0										
Location: Box Blank													

* concentration represented by the detection of 1 structure
** not analyzed
NSD: No Asbestos Structures Detected

Mean Total Structure Density For Inside Samples: 0 structures/sq. mm.

Reviewed By: _____ ; Analyzed By: _____ Date: 6/30/2017
Glenn F. Massey

NVLAP#: 200346-0

917062042

Subject: RE: Results 917062042E, SMSD-17-6280, SMSD, Jefferson E.S. Santa Monica
From: Cesar Ruvalcaba <Cesar.Ruvalcaba@altaenviron.com>
Date: 7/5/2017 8:40 AM
To: Mee Jones <pjones@amerisci.com>

Please revised the site name to Roosevelt ES, not Jefferson ES.

Thanks,

Cesar Ruvalcaba
PROJECT MANAGER

Expertise to Reduce Your Environmental and Safety Risks
3777 Long Beach Blvd, Annex Building, Long Beach, CA 90807
o. 562.495.5777 | c. 310-951-9485 | f. 562.495.5877
Cesar.Ruvalcaba@altaenviron.com | www.altaenviron.com
2017 Compliance Calendar download here.
OSHA Alert: New Worker Health & Safety Requirement for silica. Read More Here.

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-----Original Message-----
From: Mee Jones [mailto:pjones@amerisci.com]
Sent: Friday, June 30, 2017 6:18 PM
To: Cesar Ruvalcaba <Cesar.Ruvalcaba@altaenviron.com>
Subject: Results 917062042E, SMSD-17-6280, SMSD, Jefferson E.S. Santa Monica

--
Mee Jones
AmeriSci Los Angeles
24416 S. Main St. Suite 308
Carson, CA 90745
Office (310) 834-4868
Fax (310) 834-4772
https://url.serverdata.net/?aaObQVkTrP-jN_jVdb9yx0LC6JQf76KLUHjEPqYnagJ4~

Rec'd By: K
7/5/17 @ 1115

Please Reply To:

AmeriSci Los Angeles
24416 S. Main Street, Ste 308
Carson, California 90745
TEL: (310) 834-4868 • FAX: (310) 834-4772

FACSIMILE TELECOPY TRANSMISSION

To: Cesar Ruvalcaba
Alta Environmental
Fax #:

Email: cesar.ruvalcaba@altaenviron.com

From: Glenn F. Massey
AmeriSci Job #: 917061884
Subject: AHERA Protocol 6-8 hour Results
Client Project: SMSD-17-6000; Roosevelt Elementary School; Bldg. E

Date: Wednesday, June 28, 2017
Time: 10:23:10
Comments:

Number of Pages: 3 (including cover sheet)

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AmeriSci Job #: **917061884**

Client Name: Alta Environmental

Table I
Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (air)

SMSD-17-6000; Roosevelt Elementary School; Bldg. E

AmeriSci Sample #	Client Sample #	Dilution Factor	Air Filtered (liters)	Area Analyzed (sq. mm.)	* Analytical Sensitivity (struc/cc air)	Asbestos Structures Detected (Microns)			Structure Density (struc/sq mm)		Structure Concentration (struc/cc air)		Type of Asbestos
						0.5-5.0	>=5.0	Total	>=5.0	Total	>=5.0	Total	
01 inside	CL-01		1290	.060	0.0050	0.0	0.0	0.0	<16.6	<16.6	<0.0050	<0.0050	NSD
Location: Center Rm 8													
02 inside	CL-02		1300	.060	0.0049	0.0	0.0	0.0	<16.6	<16.6	<0.0049	<0.0049	NSD
Location: Center Rm 17													
03 inside	CL-03		1270	.060	0.0050	0.0	0.0	0.0	<16.6	<16.6	<0.0050	<0.0050	NSD
Location: Center Rm 15													
04 inside	CL-04		1280	.060	0.0050	0.0	0.0	0.0	<16.6	<16.6	<0.0050	<0.0050	NSD
Location: Center Rm 16													
05 inside	CL-05		1310	.060	0.0049	0.0	0.0	0.0	<16.6	<16.6	<0.0049	<0.0049	NSD
Location: Center Rm Corridor													

* concentration represented by the detection of 1 structure

** not analyzed

NSD: No Asbestos Structures Detected

Mean Total Structure Density For Inside Samples: 0 structures/sq. mm.

Reviewed By: _____ ; Analyzed By: _____ Date: 6/28/2017

Glenn F. Massey

NVLAP#: 200346-0

AMERISCI
www.amerisci.com

Asbestos, Lead Analysis Chain of Custody

AMERISCI JOB #: 170618884

AMERISCI LOS ANGELES
24416 S Main St. Suite 308
Carson, CA 90745
Phone (310) 834-4868
Fax (310) 834-4772

COMPANY:	ADDRESS:	P.O.#:
Alta Environmental	3777 Long Beach Blvd Long Beach CA	

PROJECT INFORMATION	ANALYSIS TYPE	TURNAROUND TIME					AIR FILTER INFORMATION:	
		RUSH	24 HR	48 HR	72 HR	5 DAY		
JOB NAME: Roosevelt Elementary Schl	ASBESTOS TEM AHERA	X					MCE	
JOB NUMBER: SMSD-17-6000	ASBESTOS PLM BULK						PC	
JOB MANAGER: Cesar Rulvacaba	ASBESTOS PCM AIR						25 mm	
JOB DESCRIPTION: Bldg E	ASBESTOS PLM 1000 P.C.						37 mm	
	LEAD AIR						0.45 um	
	LEAD WIPE						0.80 um	
	LEAD PAINT / SOLID						TEMP:	
	OTHER:						OTHER:	

INITIAL RESULTS DELIVERY: ☐ FAX ☑ EMAIL ☐ VERBAL ☐ MAIL ONLY	RETURN SAMPLES YES_____
REPORTS TO: Cesar.Rulvacaba@altaenviron.com	PHONE:
INVOICE TO:	FAX:
COMMENTS:	EMAIL:
	PAGER/CELL:

SAMPLE ID	SAMPLE LOCATION	START TIME	STOP TIME	TOTAL TIME	X LITERS /MIN.	= TOTAL VOLUME	AREA SQUARE FT
CL-01	Center Rm 8	1007	1216	129	10	1290	
CL-02	" " 17	1009	1219	130	10	1300	
CL-03	" " 15	1013	1220	127	10	1270	
CL-04	" " 16	1015	1223	128	10	1280	
CL-05	" " Corridor	1017	1228	131	10	1310	

SAMPLED BY:	DATE/TIME: 6/27/17	RECEIVED BY:	DATE/TIME:
RELINQUISHED BY:	DATE/TIME: 6/27/17	RECEIVED BY:	DATE/TIME:
RELINQUISHED BY:	DATE/TIME:	RECEIVED IN LAB BY: DSONG	DATE/TIME: 6/27/17 1615

Please Reply To:

AmeriSci Los Angeles
24416 S. Main Street, Ste 308
Carson, California 90745
TEL: (310) 834-4868 • FAX: (310) 834-4772

FACSIMILE TELECOPY TRANSMISSION

To: Cesar Ruvalcaba
Alta Environmental
Fax #:

Email: cesar.ruvalcaba@altaenviron.com

From: Glenn F. Massey
AmeriSci Job #: 917071201
Subject: AHERA Protocol 6-8 hour Results
Client Project: SMSD-17-6800; Roosevelt ES; Bldg. J And G

Date: Saturday, July 08, 2017
Time: 15:58:26
Comments:

Number of Pages: 3 (including cover sheet)

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Table I

Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (air)

SMSD-17-6800; Roosevelt ES; Bldg. J And G

AmeriSci Sample #	Client Sample #	Dilution Factor	Air Filtered (liters)	Area Analyzed (sq. mm.)	* Analytical Sensitivity (struc/cc air)	Asbestos Structures Detected (Microns)			Structure Density (struc/sq mm)		Structure Concentration (struc/cc air)		Type of Asbestos
						0.5-5.0	>=5.0	Total	>=5.0	Total	>=5.0	Total	
01 inside	01		1450	.060	0.0044	0.0	0.0	0.0	<16.6	<16.6	<0.0044	<0.0044	NSD
Location: Center Of Corridor													
02 inside	02		1440	.060	0.0044	0.0	0.0	0.0	<16.6	<16.6	<0.0044	<0.0044	NSD
Location: Center Room #4													
03 inside	03		1450	.060	0.0044	0.0	0.0	0.0	<16.6	<16.6	<0.0044	<0.0044	NSD
Location: Center Room #3													
04 inside	04		1430	.060	0.0045	0.0	0.0	0.0	<16.6	<16.6	<0.0045	<0.0045	NSD
Location: Center Counselor Room													
05 inside	05		1430	.060	0.0045	0.0	0.0	0.0	<16.6	<16.6	<0.0045	<0.0045	NSD
Location: N/E Counselor Room													
06 blank**	06		0										
Location: Blank Inside													
07 blank**	07		0										
Location: Blank Outside													
08 blank**	08		0										
Location: Blank													

* concentration represented by the detection of 1 structure

** not analyzed

NSD: No Asbestos Structures Detected

Reviewed By: _____; Analyzed By: _____ Date: 7/8/2017

Glenn F. Massey

NVLAP#: 200346-0

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Asbestos, Lead Analysis Chain of Custody

AMERISCI JOB #: 917071201

AMERISCI LOS ANGELES
24416 S Main St. Suite 308
Carson, CA 90745
Phone (310) 834-4868
Fax (310) 834-4772

COMPANY:	ADDRESS:	P.O.#:
Alta Environmental	3777 Long beach Blvd Long Beach CA	

PROJECT INFORMATION	ANALYSIS TYPE	TURNAROUND TIME					AIR FILTER INFORMATION:	
		RUSH	24 HR	48 HR	72 HR	5 DAY		
JOB NAME: Roosevelt ES	ASBESTOS TEM AHERA	X					MCE	
	ASBESTOS PLM BULK						PC	
JOB NUMBER: SMSD-17-6800	ASBESTOS PCM AIR						25 mm	
	ASBESTOS PLM 1000 P.C.						37 mm	
JOB MANAGER: Cesar Rulvacaba	LEAD AIR						0.45 um	
	LEAD WIPE						0.80 um	
JOB DESCRIPTION: Bldg J and G	LEAD PAINT / SOLID						TEMP:	
	OTHER:						OTHER:	

INITIAL RESULTS DELIVERY: ☐ FAX ☐ EMAIL ☐ VERBAL ☐ MAIL ONLY

RETURN SAMPLES YES_____

REPORTS TO: Cesar.rulvacaba@altaenviron.com

PHONE:

INVOICE TO:

FAX:

COMMENTS:

EMAIL:

PAGER/CELL:

SAMPLE ID	SAMPLE LOCATION	START TIME	STOP TIME	TOTAL TIME	X LITERS /MIN.	= TOTAL VOLUME	AREA SQUARE FT
01	Center of Corridor	0701	0926	145	10	1450	
02	Center room #4	0703	0927	144	10	1440	
03	Center Room #3	0704	0929	145	10	1450	
04	Center Conselor Room	0709	0932	143	10	1430	
05	N/E " "	0711	0934	143	10	1430	
06	Blank Inside	0	0	30	0	0	
07	Blank Outside	0	0	30	0	0	
08	Blanks	0	0	0	0	0	

SAMPLED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
Gustavo Sanchez	7/8/17		
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
	7/8/17		
RELINQUISHED BY:	DATE/TIME:	RECEIVED IN LAB BY: Penny	DATE/TIME: 7/8/17 10:30

2. Asbestos Bulk Sample Analysis Report

Please Reply To:

AmeriSci Los Angeles
24416 S. Main Street, Ste 308
Carson, California 90745
TEL: (310) 834-4868 • FAX: (310) 834-4772

FACSIMILE TELECOPY TRANSMISSION

To: Cesar Ruvalcaba
Alta Environmental

Fax #:

Email: cesar.ruvalcaba@altaenviron.com

From: Thu M. Nguyen
AmeriSci Job #: 917062045
Subject: PLM 6 hour Results
Client Project: SMSD-17-6280; Rossevelt ES; Floor Tile Abatement (Report Amended 7/5/2017)

Date: Wednesday, July 05, 2017
Time: 10:45:57
Comments:

Number of Pages: 6 (including cover sheet)

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24416 S. Main Street, Ste 308
Carson, California 90745
TEL: (310) 834-4868 • FAX: (310) 834-4772

PLM Bulk Asbestos Report

Alta Environmental
Attn: Cesar Ruvalcaba
3777 Long Beach Blvd.
Annex Building
Long Beach, CA 90807-3335

Date Received 06/30/17 **AmeriSci Job #** 917062045
Date Examined 06/30/17 **P.O. #**
Page 1 **of** 4

RE: SMSD-17-6280; Rossevelt ES; Floor Tile Abatement (Report Amended 7/5/2017)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
01	917062045-01L1	*Yes*	5 % (by CVES) by Thu M. Nguyen on 06/30/17
	Location: Building J - Room 4 Brown 9x9 FT/Mastic		
	Analyst Description: Brown, Homogeneous, Fibrous, Floor Tile		
	Asbestos Types: Chrysotile 5.0 %		
	Other Material: Non-fibrous 95 %		
01	917062045-01L2	*Yes*	2 % (by CVES) by Thu M. Nguyen on 06/30/17
	Location: Building J - Room 4 Brown 9x9 FT/Mastic		
	Analyst Description: Black, Heterogeneous, Fibrous, Mastic		
	Asbestos Types: Chrysotile 2.0 %		
	Other Material: Non-fibrous 98 %		
01	917062045-01L3	*No*	NAD (by CVES) by Thu M. Nguyen on 06/30/17
	Location: Building J - Room 4 Brown 9x9 FT/Mastic		
	Analyst Description: Yellow, Heterogeneous, Non-Fibrous, Glue		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
02	917062045-02L1	*Yes*	5 % (by CVES) by Thu M. Nguyen on 06/30/17
	Location: Building J - Room 4 Brown 9x9 FT/Mastic		
	Analyst Description: Brown, Homogeneous, Fibrous, Floor Tile		
	Asbestos Types: Chrysotile 5.0 %		
	Other Material: Non-fibrous 95 %		
02	917062045-02L2	*Yes*	5 % (by CVES) by Thu M. Nguyen on 06/30/17
	Location: Building J - Room 4 Brown 9x9 FT/Mastic		
	Analyst Description: Black, Heterogeneous, Fibrous, Mastic		
	Asbestos Types: Chrysotile 5.0 %		
	Other Material: Non-fibrous 95 %		

See Reporting notes on last page

PLM Bulk Asbestos Report

SMSD-17-6280; Rossevelt ES; Floor Tile Abatement (Report Amended 7/5/2017)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
02	917062045-02L3	***No***	NAD
	Location: Building J - Room 4 Brown 9x9 FT/Mastic		(by CVES) by Thu M. Nguyen on 06/30/17
	Analyst Description: Yellow, Heterogeneous, Non-Fibrous, Glue		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
03	917062045-03L1	***Yes***	5 %
	Location: Building J - Room 4 Brown 9x9 FT/Mastic		(by CVES) by Thu M. Nguyen on 06/30/17
	Analyst Description: Brown, Homogeneous, Fibrous, Floor Tile		
	Asbestos Types: Chrysotile 5.0 %		
	Other Material: Non-fibrous 95 %		
03	917062045-03L2	***Yes***	5 %
	Location: Building J - Room 4 Brown 9x9 FT/Mastic		(by CVES) by Thu M. Nguyen on 06/30/17
	Analyst Description: Black, Homogeneous, Fibrous, Mastic		
	Asbestos Types: Chrysotile 5.0 %		
	Other Material: Non-fibrous 95 %		
03	917062045-03L3	***No***	NAD
	Location: Building J - Room 4 Brown 9x9 FT/Mastic		(by CVES) by Thu M. Nguyen on 06/30/17
	Analyst Description: Yellow, Heterogeneous, Non-Fibrous, Glue		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
04	917062045-04L1	***Yes***	3 %
	Location: Building G - Counselor's Office - Beige 9x9 FT/Mastic		(by CVES) by Thu M. Nguyen on 06/30/17
	Analyst Description: Beige, Homogeneous, Fibrous, Floor Tile		
	Asbestos Types: Chrysotile 3.0 %		
	Other Material: Non-fibrous 97 %		
04	917062045-04L2	***Yes***	3 %
	Location: Building G - Counselor's Office - Beige 9x9 FT/Mastic		(by CVES) by Thu M. Nguyen on 06/30/17
	Analyst Description: Black, Homogeneous, Fibrous, Mastic		
	Asbestos Types: Chrysotile 3.0 %		
	Other Material: Non-fibrous 97 %		

See Reporting notes on last page

PLM Bulk Asbestos Report

SMSD-17-6280; Rossevelt ES; Floor Tile Abatement (Report Amended 7/5/2017)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
04	917062045-04L3	***No***	NAD (by CVES) by Thu M. Nguyen on 06/30/17
Location: Building G - Counselor's Office - Beige 9x9 FT/Mastic			
Analyst Description: Yellow, Heterogeneous, Non-Fibrous, Glue **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
05	917062045-05L1	***Yes***	3 % (by CVES) by Thu M. Nguyen on 06/30/17
Location: Building G - Counselor's Office - Beige 9x9 FT/Mastic			
Analyst Description: Beige, Homogeneous, Fibrous, Floor Tile **Asbestos Types:** Chrysotile 3.0 % **Other Material:** Non-fibrous 97 %			
05	917062045-05L2	***Yes***	3 % (by CVES) by Thu M. Nguyen on 06/30/17
Location: Building G - Counselor's Office - Beige 9x9 FT/Mastic			
Analyst Description: Black, Heterogeneous, Fibrous, Mastic **Asbestos Types:** Chrysotile 3.0 % **Other Material:** Non-fibrous 97 %			
05	917062045-05L3	***No***	NAD (by CVES) by Thu M. Nguyen on 06/30/17
Location: Building G - Counselor's Office - Beige 9x9 FT/Mastic			
Analyst Description: Yellow, Heterogeneous, Non-Fibrous, Glue **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
06	917062045-06L1	***Yes***	3 % (by CVES) by Thu M. Nguyen on 06/30/17
Location: Building G - Counselor's Office - Beige 9x9 FT/Mastic			
Analyst Description: Beige, Homogeneous, Fibrous, Floor Tile **Asbestos Types:** Chrysotile 3.0 % **Other Material:** Non-fibrous 97 %			
06	917062045-06L2	***Yes***	3 % (by CVES) by Thu M. Nguyen on 06/30/17
Location: Building G - Counselor's Office - Beige 9x9 FT/Mastic			
Analyst Description: Black, Heterogeneous, Fibrous, Mastic **Asbestos Types:** Chrysotile 3.0 % **Other Material:** Non-fibrous 97 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

SMSD-17-6280; Rossevelt ES; Floor Tile Abatement (Report Amended 7/5/2017)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
06	917062045-06L3	***No***	NAD (by CVES) by Thu M. Nguyen on 06/30/17

Location: Building G - Counselor's Office - Beige 9x9 FT/Mastic

Analyst Description: Yellow, Heterogeneous, Non-Fibrous, Glue
Asbestos Types:
Other Material: Non-fibrous 100 %

Reporting Notes:
Analyzed By: Thu M. Nguyen ; Date Analyzed: 6/30/2017 06/05/17
*NAD = no asbestos detected; Detection Limit <1%; Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; NA = not analyzed; NA/PS = not analyzed / positive stop; NVA = No Visible Asbestos; PLM (polarized light microscopy) Bulk Asbestos Analysis by EPA 600/R-93/116, including requirements for EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab #200346-0, CA ELAP lab #2322); Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST Accreditation requirements mandate that this report must not be reproduced except in full with the approval of the laboratory. This PLM report relates ONLY to the items tested.

Reviewed By:

917062045

Subject: RE: 917062045 SMSD-17-6280; Jefferson E.S
From: Cesar Ruvalcaba <Cesar.Ruvalcaba@altaenviron.com>
Date: 7/5/2017 9:22 AM
To: "ameriscila@amerisci.com" <ameriscila@amerisci.com>

Please revised the site name from Jefferson ES, to Roosevelt ES.

Cesar Ruvalcaba
PROJECT MANAGER

ALTA ENVIRONMENTAL
Expertise to Reduce Your Environmental and Safety Risks
3777 Long Beach Blvd, Annex Building, Long Beach, CA 90807
o. 562.495.5777 | c. 310-951-9485 | f. 562.495.5877
Cesar.Ruvalcaba@altaenviron.com | www.altaenviron.com

2017 Compliance Calendar download here.
OSHA Alert: New Worker Health & Safety Requirement for silica. Read More Here.

Alta Environmental is the premier environmental services consultancy serving the needs of municipal, industrial, and construction clients throughout the Western United States. For more information about our air and water environmental compliance, subsurface remediation, building sciences and occupational safety capabilities, please click here for our website.
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From: AmeriSci LA [mailto:ameriscila@amerisci.com]
Sent: Friday, June 30, 2017 7:41 PM
To: Cesar Ruvalcaba <Cesar.Ruvalcaba@altaenviron.com>
Subject: 917062045 SMSD-17-6280; Jefferson E.S

Virus-free. www.avg.com

Recd By: K.V
7/5/17 @ 1030

3. Lead in Wipe Sample Analysis Report

Please Reply To:

AMERI SCI

AmeriSci Los Angeles
24416 S. Main Street, Ste 308
Carson, California 90745
TEL: (310) 834-4868 • FAX: (310) 834-4772

FACSIMILE TELECOPY TRANSMISSION

To: Cesar Ruvalcaba
Alta Environmental
Fax #:

Email: cesar.ruvalcaba@altaenviron.com

From:
AmeriSci Job #: 417071192
Subject: Lead (wipe) 3 day Results
Client Project: SMSD-17-6800; Roosevelt ES

Date: Friday, July 14, 2017
Time: 12:11:24
Comments:

Number of Pages: 03 (including cover sheet)

CONFIDENTIALITY NOTICE: Unless otherwise indicated, the information contained in this communication is confidential information intended for use of the individual named above. If the reader of this communication is not the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is prohibited. If you have received this communication in error, please immediately notify the sender by telephone and return the original message to the above address via the US Postal Service at our expense. Preliminary data reported here will be verified before final report is issued. Samples are disposed of in 60 days or unless otherwise instructed by the protocol or special instructions in writing. Thank you.

AmeriSci Los Angeles
24416 S. Main Street, Ste 308
Carson, California 90745
TEL: (310) 834-4868 • FAX: (310) 834-4772

AmeriSci Job #: 417071192

Date Received: 07/13/17
Date Analyzed: 07/14/17

Lead Analysis Results

Dust Wipes
EPA Method 3050B/7000B

Alta Environmental
Long Beach, CA
Job Site: SMSD-17-6800; Roosevelt ES

AmeriSci # 417071192	Client Number	Sample Location	Area (ft2)	Lead Content (µg/ft2)
01	01	Bldg E North Center Rm 8	1	<10
02	02	Bldg K North Center Rm 6	1	<10
03	03	Bldg G South Center Rm 3	1	<10
04	04	Bldg J South Center Admin	1	<10

AmeriSci Reporting Limit is 10 ug/wipe, prior to any dilutions due to high analyte concentrations or matrix interferences. AmeriSci does not correct sample results by the blank value. All analytical batch data met quality control criteria unless otherwise noted. CA ELAP No. 2322.

HUD guidelines for dust wipes are:
40 ug/ft2 for floors, 250 ug/ft2 for interior window sills, 400 ug/ft2 for interior window

Reviewed by: _____

Analyzed by: _____
Soheir Galess, Chemist [mp]

ELAP No: CA 2322

AMERISCI
www.amerisci.com

Asbestos, Lead Analysis Chain of Custody

AMERISCI JOB #: 412071192

AMERISCI LOS ANGELES
24416 S Main St. Suite 308
Carson, CA 90745
Phone (310) 834-4868
Fax (310) 834-4772

COMPANY:	ADDRESS:	P.O.#:
Alta Environmental	3777 Long Beach Blvd Long Beach CA	

PROJECT INFORMATION	ANALYSIS TYPE	TURNAROUND TIME					AIR FILTER INFORMATION:	
		RUSH	24 HR	48 HR	72 HR	5 DAY		
JOB NAME: Roosevelt ES	ASBESTOS TEM AHERA						MCE	
	ASBESTOS PLM BULK						PC	
JOB NUMBER: SMSD-17-6800	ASBESTOS PCM AIR						25 mm	
	ASBESTOS PLM 1000 P.C.						37 mm	
JOB MANAGER: Cesar Rulvacab	LEAD AIR						0.45 um	
	LEAD WIPE			✓	X		0.80 um	
JOB DESCRIPTION:	LEAD PAINT / SOLID						TEMP:	
	OTHER:						OTHER:	

INITIAL RESULTS DELIVERY: ☐ FAX ☐ EMAIL ☐ VERBAL ☐ MAIL ONLY — RETURN SAMPLES YES_____

REPORTS TO: — PHONE:

INVOICE TO: — FAX:

COMMENTS: All Samples taken at Window Sills — EMAIL:

PAGER/CELL:

SAMPLE ID	SAMPLE LOCATION	START TIME	STOP TIME	TOTAL TIME	X LITERS /MIN.	= TOTAL VOLUME	AREA SQUARE FT
01	Bldg E North Center Rm 8						1x1
02	Bldg K North Center Rm 6						1
03	Bldg G South Center Rm 3						1
04	Bldg J South Center Admin						1

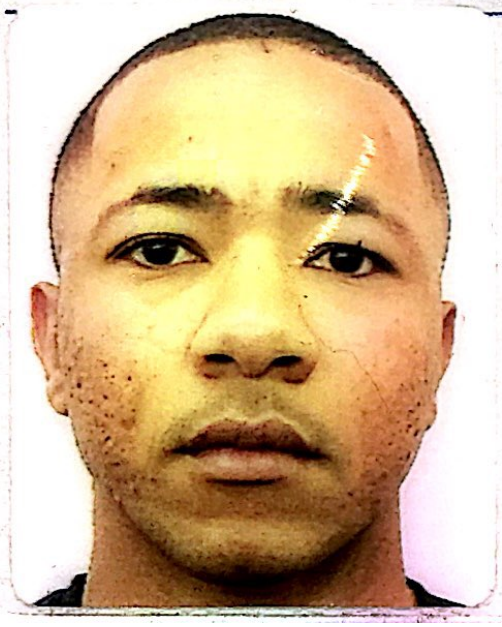
SAMPLED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
G Stucko	7/12/17		
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
	7/12/17		
RELINQUISHED BY:	DATE/TIME:	RECEIVED IN LAB BY:	DATE/TIME:
			7/13/17 0800

Appendix C

Alta Environmental Employee Certifications

State of California
Division of Occupational Safety and Health

Certified Site Surveillance Technician



Gustavo J Sanchez

Name

Certification No. **11-4732**

Expires on **07/20/17**

This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7180 et seq. of the Business and Professions Code.

Scanned by CamScanner

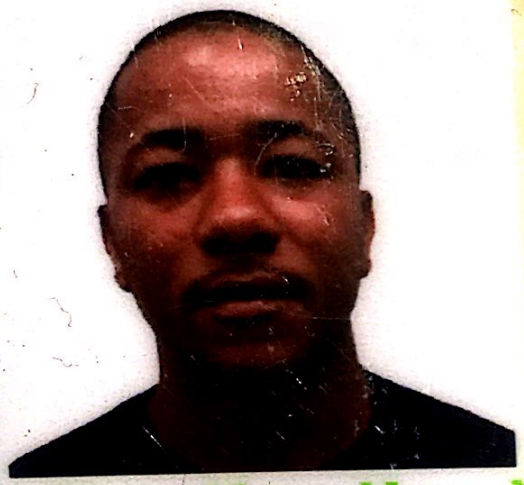
State of California Department of Public Health

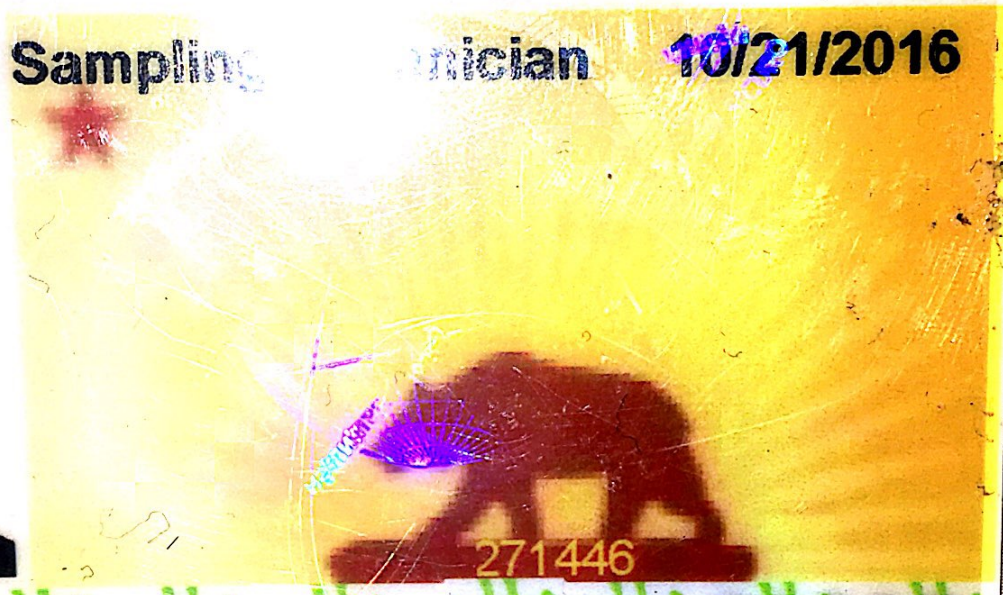
Lead-Related Construction Certificate

Certificate Type

Expiration Date

Sampling [illegible]nician 10/21/2016





Gustavo J. Sanchez

ID #: 23635

Scanned by CamScanner

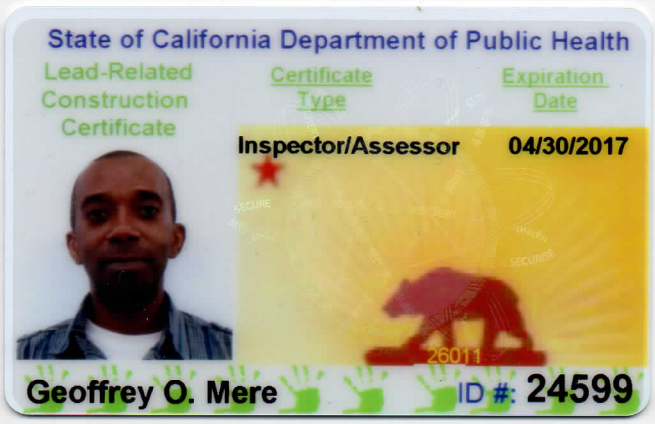
State of California
Division of Occupational Safety and Health
Certified Asbestos Consultant

Geoffrey O Mere
Name

Certification No. **11-4826**

Expires on **01/18/18**

This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7180 et seq. of the Business and Professions Code.


State of California Department of Public Health
Lead-Related Construction Certificate
Certificate Type
Expiration Date
Inspector/Assessor
04/30/2017
26011
Geoffrey O. Mere
ID #: 24599

State of California
Division of Occupational Safety and Health
Certified Asbestos Consultant

Name **Cesar Ruvalcaba**

Certification No. **95-1799**

Expires on **10/27/18**

This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7180 et seq. of the Business and Professions Code.

State of California Department of Public Health

Lead-Related Construction Certificate

Certificate Type	Expiration Date
Inspector/Assessor	01/16/2018
Project Monitor	01/16/2018

Cesar A. Ruvalcaba

ID #: 6855