MONITORING SERVICES DURING ASBESTOS AND LEAD-RELATED WORK, DEMOLITION PROJECT

Building E Demolition
Malibu High School
30215 Morning View Drive
Malibu, California 90265

Prepared for:

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

Project No.: SMSD-17-6685
Date: December 1, 2017

Alta Environmental
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EXECUTIVE SUMMARY

Alta Environmental (Alta) conducted environmental monitoring services during the removal of asbestos-containing materials (ACM) and lead-based paints (LBP) which were completed prior to the demolition of Building E at Malibu High School located at 302315 Morning View Drive, Malibu, California 90265. The monitoring was conducted intermittently from April 5, 2017 to August 11, 2017 by Alta representatives 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 the following areas:

- Building exterior above windows – Approximately 800 square feet of transite paneling was removed.
- Building exterior and walkway ceilings – Approximately 6,300 square feet of stucco was removed.
- Building interior perimeter wall above soffit ceiling throughout – Approximately 800 square feet of drywall and joint compound was removed.
- Building interior above ceilings, along soffit, and wall cavities in and around sinks and restrooms throughout – Approximately 80 pipe insulation elbows were removed.
- Building interior in all classrooms – Approximately 2,400 square feet of chalkboards and mastics were removed.
- Building interior – Approximately 500 square feet of 9" tan floor tile and mastic was removed.

During this project, there was planned removal of ACM. Following removal activities, the areas were inspected by the Contractor and an Alta representative; each area was found to be acceptably clean. 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.

During this project, there were planned disturbances of lead-based paints. These disturbances included the stabilization of damaged loose and flaky paint, as well as removal of lead-based ceramic tile from the building restrooms 1 and 2. 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 and an Alta representative. Surface clearance wipe sampling was not required for this project.

CONTENTS

REPORTED: December 1, 2017 **PROJECT NO.:** SMSD-17-6685

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

ATTENTION: Mr. Nelson Martinez

REF: Monitoring Services During Demolition Project
Malibu High School
30237 Morning View Drive
Malibu, California 90265

1 INTRODUCTION

Alta Environmental (Alta) conducted environmental monitoring services during the removal of asbestos-containing materials (ACM) and lead-based paints (LBP) which were completed prior to the demolition of Building E at Malibu High School located at 302315 Morning View Drive, Malibu, California 90265.

2 SCOPE OF WORK

2.1 Alta Monitoring and Sampling

The Santa Monica-Malibu Unified School District retained Alta for the monitoring services. The monitoring was conducted intermittently from April 5, 2017 to August 11, 2017 by Alta representatives, Fabian Ruvalcaba, and Victor Sanchez, both of whom are Cal-OSHA Certified Asbestos Consultants and California Department of Public Health Certified Inspector/Assessors. 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

IDR, Inc. located in Anaheim, California conducted the asbestos and lead-related work. The scope of work included the removal of the following asbestos-containing materials:

- Building exterior above windows – Approximately 800 square feet of transite paneling was removed.
- Building exterior and walkway ceilings – Approximately 6,300 square feet of stucco was removed.

- Building interior perimeter wall above soffit ceiling throughout – Approximately 800 square feet of drywall and joint compound was removed.
- Building interior above ceilings, along soffit, and wall cavities in and around sinks and restrooms throughout – Approximately 80 pipe insulation elbows were removed.
- Building interior in all classrooms – Approximately 2,400 square feet of chalkboards and mastics were removed.
- Building interior – Approximately 500 square feet of 9" tan floor tile and mastic was removed.

Lead component removal and paint stabilization activities included:

1. LBP, damaged paint stabilization, all interior and exterior identified painted components listed in the Abatement Plan prepared for this project; removal of lead-based ceramic tile in building restrooms 1 and 2.

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 Sample Analysis

During the demolition project, Alta at the request of the District completed sampling of the exterior stucco and textured coat applied on concrete surfaces. 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 were analyzed using 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

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. 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 damaged 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 were disposed of properly 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 Asbestos Bulk Sample Results

Representative results of the exterior stucco and texture coating were reported as less than 1 percent asbestos (chrysotile). At the request of the District, Alta requested for the samples to be further analyzed using a gravimetric 1,000-point count analysis. Results of the 1,000-point count were reported in ranges between 0.12% to 0.62% chrysotile.

5.3 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.

5.4 Post Abatement Sample Results

5.4.1 Asbestos Clearance Sampling

Asbestos clearance sampling was conducted by a State Certified Site Surveillance Technician under the direction of a Certified Asbestos Consultant. Air samples were collected and analyzed in accordance with the National Institute of Occupational Safety and Health (NIOSH) Method 7400, utilizing phase contrast microscopy (PCM). A minimum of five samples from inside the work area was 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, the level recommended by the United States Environmental Protection Agency (USEPA) for re-occupancy of non-protected personnel following an asbestos response action and 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

6 CONCLUSIONS AND RECOMMENDATIONS

The ACM and LBP removal work were completed in accordance with applicable regulations and approved work plan. All identified ACMs were removed prior to demolitions.

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

All abatement work areas passed the air clearance levels prior to re-occupancy.

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 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.

8. SIGNATORY

Submitted for and on behalf of Alta Environmental.

Respectfully Submitted by:

Jim Byers
Project Manager
Certified Asbestos Consultant 06-4122
CDPH Certified Inspector Assessor 14805

Reviewed 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

PROJECT LOG/DAILY INSPECTION CHECKLIST

Date: 04/05/17

Project No.: SOCD-17-6885

Project location: Malibu

Alta representative: Fabian Rovalcaba/Jorge Robles

Project name: Malibu H. S.

Project area: Building E, RM; 210

Time of observation	Observations
0700	Crew arrives on site, FDR supervisor Francisco Perez and 9 workers on site
	-Crew checks in with general contractor
0715	Crew begins mobilizing work area
	- supervisor asks alta to conduct pre-visual inspection
	-alta observes proper isolation methods, full containments, negative air pressure with 3 stage decon & shower
	-removal may begin
0730	workers begin putting on PPE (full coverall disp. clothing) half-face APR with P100 filters, gloves, hard hats, eye protection
	- enter work area to begin removal of carpet with mastic
0830	PM Cesar Rovalcaba arrives on site to review job site
	- Alta PM requested covered walkway to be retested for ACM
	he also points out the the flooring tested Negative for asbestos. the superver reports that he will first remove all carpeting and plaster soffits around T.S.E. Elbows prior to prepping the full content. All this pre work will be done under PPE ad content due to his preference.
1000	Alta onsite CREW continues Non-ACM Non Lead Demo. Alta PM Departs.
1100	CREW breaks for lunch.
1200	CREW returns from lunch. Workers Don PPE and re-enter work Area resume clean Demo activities.
1330	Alta collects stucco Swabs at the Covered walkways then departs to Lab to drop off Swabs. CREW remains onsite continuing clean demo activities.

Alta Representative: Edgar Rovalcaba

Signature:

Cal/OSHA Cert. No.: 15-5533

Date: 4-05-17

Air Sampling Form

Client: SMMUSD
Project No.: SMSD-17-6885
Project Location: Malibu

Date: 4-05-17
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*
405-1	272	Bldg E. Exter - P.E	B	Clean Demo	0745	1300	2.0	2.0	620	0/100	<0.004
2	128	" S/W	B	"	0752	1300	2.0	2.0	616	3/100	<0.004

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 # 405-3
Fiber/Fields 0/100

Lab Blank

Sample # 405-4
Fiber/Fields 0/100

Microscopist: F. Ruvalcaba
Microscope #: 00302
Graticle field area (mm²): 0.00817
Filter area (mm²): 385
Q.C. slide readable: 5
Rotometer #: ∞

Comments:

On-Site Technician: F. Ruvalcaba
Signature:
Cert Number: ELAP 15-5533

ALTA ENVIRONMENTAL

PROJECT LOG/DAILY WORK AREA INSPECTION CHECKLIST

Date: 4-6-17

Alta representative: Flaviano

Project No.: SMSD-17-6885

Project name: Malibu

Project location: Malibu

Project area: Bldg E-F-2nd

Material Removed: 4" ⌀ S.I. Elbows

Quantity removed: 40 Elbows

Type of Containment:

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

Splash: 3-stage decon-shower wash station

Mini: 2-stage decon-shower wash station

Glovebag/secondary containment wash station

Other (describe) _____

Respiratory Protection Used:

½ face: P100

½ face: P100/Organic

Full face: P100

PAPR-HEPA

Arrival time (Alta): 0600

Departure time (Alta): 1430

Abatement contractor: IDR

Contractor supervisor's name: Francisco Perez

(first and last)

Contractor arrival time: 0600 Departure: 1430

# of workers present: 7+1

Worker certifications current/available on-site Yes

Reviewed by Alta ✓

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

Other contractors on-site/activities: none

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	N/A	☐	☐	☐	☐

Pressure Differential Isolation Barriers	*Time of Inspection*				*QA*
Proper # of AFDs for area	☑	☑	☑	☑	☐
Containment smoke-tested	C/A	☐	☐	☐	☐
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 top/locked	☑	☑	☑	☑	☐

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

# of bags 3 Manifest # _____

Air Sampling Form

Client: SMMUSD
Project No.: SMSD-17-6885
Project Location: Malibu - Bldg E

Date: 4-6-17
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*
46-1	272	Mech AN Exhaust	OWA	Glovebags	0850	1370	2.0	2.0	800	0/100	<0.003
-2	2828	outside Decon unit			0700	1000	8.0	8.0	1440	2/100	<0.001
-3	3085	N/E Critical			0715	1008	8.0	8.0	1370	1/100	0.002
-4	2829	outside Decon unit			1130	1550	8.0	8.0	1120	5/100	0.002
-5	304	N/E Critical			1136	1352	8.0	8.0	1088	5/100	<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 # 46-6
Fiber/Fields 0/100

Lab Blank
Sample # 46-7
Fiber/Fields 0/100

Microscopist: F. Ruvalcaba
Microscope #: 00257
Graticle field area (mm²): 0.00807
Filter area (mm²): 385
Q.C. slide readable: 5
Rotometer #: 869

Comments:

On-Site Technician: F. Ruvalcaba
Signature:
Cert Number: 15-5583

PROJECT LOG/DAILY WORK AREA INSPECTION CHECKLIST

Date: 4-7-17

Alta representative: Edwards

Project No.: SMCA-17-6885

Project name: Malibu HS.

Project location: Malibu

Project area: Bldg E-Rm 10

Material Removed: - Pipe Elbows - 9" Bag & tie w/ Mastic

Quantity removed: - 5 - 500 sq/ft.

Type of Containment:

(Full: 3-stage decon/walls/ceiling/shower)

Splash: 3-stage decon-shower wash station

Mini: 2-stage decon-shower wash station

Glovebag/secondary containment wash station

Other (describe) _____

Respiratory Protection Used:

(~~½ face: P100~~)

½ face: P100/Organic

Full face: P100

PAPR-HEPA

Arrival time (Alta): 0600

Departure time (Alta): 1430

Abatement contractor: IDR

Contractor supervisor's name: Francisco Perez

(first and last)

Contractor arrival time: 0600 Departure: 1430

# of workers present: 6+1

Worker certifications current/available on-site Yes

Reviewed by Alta ✓

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

Other contractors on-site/activities: None

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	N/A	☐	☐	☐	☐

Pressure Differential Isolation Barriers	*Time of Inspection*				*QA*
Proper # of AFDs for area	☑	☑	☑	☑	☐
Containment smoke-tested	N/A	☐	☐	☐	☐
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 top/locked	☑	☑	☑	☑	☐

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

# of bags _____ Manifest # _____

PROJECT LOG/DAILY INSPECTION CHECKLIST

Date: 4-7-17

Project No.: SMCD-17-6885r

Project location: Malibu

Alta representative: Fabian Rivalcaba

Project name: Malibu H.S.

Project area: Bldg E - Rm 1-10 Rm 16

Time of observation	Observations
0600	CREW onsite IDR Supervisor Francisco Perez and 6 workers onsite. CREW conducts Safety Meeting. CREW splits up. 4 workers will focus on Rm 16 removal; 2 workers will focus on clean up at Rm 1-10 Containment.
0615	workers Don PPE Disposable Coverall clothing, 1/2 face APR w/ P100 Filters, Gloves, Eye Protection and Hard Hat. Then they enter the Work Area. Removal Begins, CREW removal carpet with rag Floor wet Methods in use. Alta observed Proper isolation Measures 3 stage Decon, full containment, 4' splash Guard, Neg Air.). 2 workers Don PPE and enter Rm 1-10 Containment.
0730	Rm 1-10 work Area clean up completed Supervisor requested final visual inspection. Alta Dons PPE and enters work Area.
0830	Alta observed approximately 45 Elbows waste glovebags and removed, with No visible dust or debris remaining. CREW encapsulates the containment. Floor removal complete workers Double Bagging and Loading out Debris ~~Bags~~ Moving on to 6 mil poly lined waste Bin.
1000	Detail Removal at Rm 16 Recess completed. Workers use chemical Solvent, wet rags, and wire Brushes to remove removing Mastic from the Concrete.
1100	CREW breaks for lunch
1200	CREW Returns from lunch, Workers Don PPE and resume detail removal.
1245- 1300	Supervisor requests Visual inspection. Alta observed No visible dust or debris remains. Floors with Mastic was removed along with 1 T.S.I. Elbow From Rm 16. CREW Proceeds to Encapsulate.
1430	shift ends, Alta will collect Clearance Samples the following shift.

Alta Representative: Fabian Rivalcaba Date: 4-7-17

Signature:

Cal/OSHA Cert. No.: 15-5537

Air Sampling Form

Client: Shimano
Project No.: SMCD-17-6855
Project Location: Malibu Bldg E

Date: 4-7-17
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*
47-1	272	Bldg E - Neg AN Exhst	OWA	Clean up	0630	1000	2.0	2.0	420	0/100	<0.006
2	2828	- Outside Area			0633	0830	8.0	8.0	936	1/100	<0.002
3	3085	- NJE conv			0638	0835	8.0	8.0	936	9/100	0.004
4	128	- Rm 16 - Neg AN Exhst		Hour Recirc	0645	1330	2.0	2.0	816	2/100	<0.003
5	3042	- Outside Area			0700	1130	5.0	5.0	1350	5/100	<0.001
6	2852	- S/W Corridor			0715	1145	5.0	5.0	1350	3/100	<0.001
47-7											

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 # 47-7
Fiber/Fields 0/100

Lab Blank
Sample # 47-8
Fiber/Fields 0/100

Microscopist: F. Ravelo
Microscope #: 00257
Graticle field area (mm²): 0.00617
Filter area (mm²): 385
Q.C. slide readable: 5
Rotometer #: 06a

Comments:

On-Site Technician: F. Ravelo
Signature:
Cert Number: 15-5-1-73

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ALTA ENVIRONMENTAL

PROJECT LOG/DAILY WORK AREA INSPECTION CHECKLIST

Date: 4-10-17

Project No.: SMSD-17-6895

Project location: Malibu

Material Removed: None

Alta representative: Fernando

Project name: Malibu

Project area: Bldg E

Quantity removed: —

Type of Containment:

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

Splash: 3-stage decon-shower wash station

Mini: 2-stage decon-shower wash station

Glovebag/secondary containment wash station

Other (describe) _____

Respiratory Protection Used:

~~½ face: P100~~

½ face: P100/Organic

Full face: P100

PAPR-HEPA

Arrival time (Alta): 0600

Departure time (Alta): 1100

# of workers present: 1

Abatement contractor: EDP

Contractor supervisor's name: Francisco Perez

(first and last)

Contractor arrival time: 0600 Departure: —

Worker certifications current/available on-site Yes

Reviewed by Alta ✓

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

Other contractors on-site/activities: None

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	☑	☑	☐	☐	☐
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	☑	☑	☐	☐	☐

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	☑	☑	☐	☐	☐
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 # _____				

PROJECT LOG/DAILY INSPECTION CHECKLIST

Date: 4-10-17

Alta representative: F. Fuvalcaba

Project No.: SMSD-17-6885

Project name: Malibu

Project location: Malibu

Project area: Bldg B - 2nd fl; A-16

Time of observation	Observations
0600	Alta arrive onsite IPR superv. Francisco Perez and no workers onsite. Superv and Alta walk around contant areas to verify all remains intact.
0645	Contants remain intact Alta ~~Best~~ Begins setting plastic clearance air sampling equipt.
0740	clearance Samples Begins
1015	Alta collects samples and Begins Demobilizing Samples equipt.
1100	Alta. Departs to analysis Samples off site.
1330	Alta reports all Samples contain at less than 0.01 f/cc, Area cleared two Tear down. Alta relays findings to IPR & Superv.

Alta Representative: F. Fuvalcaba

Date: 4-10-17

Signature:

Cal/OSHA Cert. No.: 15-5577

Air Sampling Form

Client: SMMUSD
Project No.: SMSP-17-6885
Project Location: Malibu Bldg E.

Date: 9-10-17
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*
910-1	2826	R-2-Ct	C	None	0745	1002	9.0	9.0	1233	4/100	<0.002
2	2852	R-4-Ct			0946	1003	9.0	9.0	1233	3/100	<0.002
3	3089	R-9-Ct			0948	1005	9.0	9.0	1233	1/100	<0.002
4	3042	R-7-Ct			0749	1005	9.0	9.0	1224	1/100	<0.002
5	518	R-16-Ct			0752	1008	9.0	9.0	1224	5/100	<0.002

Detection limit is 5.5 f/cc

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

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 # 910-6
Fiber/Fields 0/100

Lab Blank
Sample # 910-7
Fiber/Fields 0/100

Microscopist: F Ruvalcaba
Microscope #: 00257
Graticle field area (mm²): 0.00817
Filter area (mm²): 385
Q.C. slide readable: 5
Rotometer #: 6 of 9

Comments:

On-Site Technician: F Ruvalcaba
Signature:
Cert Number: 15-5-5-37

Description: Release of work Area

Job Name: Melba - Bldg E

Job No: Spec0-17-6685 **Date:** 4-10-17 **Page** 1 **of** 1

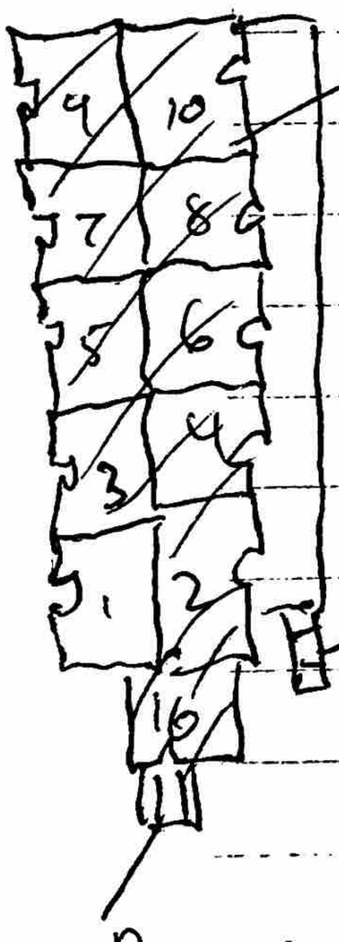
ALT
ENVIRONM

#

Supervisor: Francisco Perez

Re: R- 2 → 10 -45 Elbow Removal
R-16 - 1 Elbow Removal
- 500 sqft. of F.T. w/ Mastic Removal

At the request of IDR Supervisor Perez, Alta rep. Performed Visual inspections of the above Mentioned location following the removal of ACM Pipe Elbow insulation and Flue Tile w/ Mastic. Alta observed that said Materials were removed with No visible dust or debris remaining. Follow Visual clearance, Alta collected clearance Air Monitoring in accordance with NIOSH 7400 Method (PCM). The results were consistent of less than 0.01 f/cc the area is cleared for Tear Down



Technician Name: Flores

Technician Signature:

ALTA ENVIRONMENTAL

Log Sheet

Project Name: Malibu H.S. Date: 8-10-2017

Project Location: Malibu CA, Job No.:

Project/Area Description: Phase II s/e covered walkway (handicapp)

Scope of Work: removal of stucco ceiling APPROX. 400 sq. Ft. (note: removed approx 150 sq. Ft of stucco today)

Type of Containment: full containment.

Respiratory Protection: 1/2 face APR's.

Abatement Contractor: AIR Inc.

Contractor Supervisor: Gustavo Perez. + 6. (4 workers ACM work)

Alta Rep. On-Site: Victor Sanchez

Project Manager: Edgar Envalcaba

Time Arrived (Military): 0630 Shift Start Time: 0700

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	2	0.0062	0.0057
Personal			
Clearance			
Background			

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

Other Contractors On-Site	Contractor Activities
General Contractor	
several trades,	working on windows, doors, floors, plumbing, etc.

ALTA ENVIRONMENTAL

Client: SMMUSD. Page 1 of 2

Project Name: Malibu High School. Alta Job No.:

TIME OF OBSERVATION	COMMENTS
0630	Alta meets with AIR supervisor, Gustavo Perez,
0715	NOTE: AIR starts at 0600, IDR. is not on site.
	Alta is supposed to be monitoring. IDR.
	DUE TO that, AIR Inc. is performing setup for removal
	of stucco ceiling on phase II Enhanced Monitoring
	Alta is requested by G.C. to stay on site to monitor
	stucco removal, which is, according to AIR supervisor,
	free asbestos.
0800	workers continue work area setup, walkway has scaffolds
	walkway is approx. 50 feet long on S/E most side
	stairs and handicapp ramp.
0900	workers continue work area set up using duct/poly
	sheeting, work area will be fully contained with
	a 3 stage Decon unit.
	Alta is walking entire site to collect pictures for
	Alta's P.M. C.R. to have an idea if school will
	be ready for releasing to district.
	Also Alta checked admin. bldg to see if unfinished
	drywall above ceiling was still in place. (Drywall still in place)
1000	workers continue work area setup setting up Decon
	unit and neg air filtration.
1015	finishes work area setup. Alta performs a pre-abatement
	visual inspection, unit okays work to start.
	Supervisor will start working removing stucco after
	lunch break, workers proceed to perform non-ACM
	work in other bldgs.
1100	workers take lunch break.
1200	workers return from lunch break, 4 workers will start
	stucco removal, start donning PPE to create work area.
	PPE includes full face APR's, full body disposable suites
	hardhats, safety shoes, glasses, gloves,

For Bag-Out Shift Only

# of Bags	Manifest #

Alta Rep. Signature:
Cert. Number: 08-4470
Date: 8/10/2017

ALTA ENVIRONMENTAL

Client: SMMUSD

Project Name: Malibu H. School

Alta Job No.:

TIME OF OBSERVATION	COMMENTS
1230	Stucco removal activity work are using manual means using crowbars, hammers and circular sprayer. To keep emissions down.
	NOTE: very dusty conditions outside of work area, due to demolition of bldg 5. ground is dusty, soil is dry and too much foot and equipment traffic.
1330	workers continue demolition of stucco activity.
	Bag out will occured tomorrow due to that AIR does not have a dumpster.
1415	workers stop work to exit work area. decontaminating themselves prior to exiting work area.
1430	End of shift

For Bag-Out Shift Only

# of Bags	Manifest #

Alta Rep. Signature:

Cert. Number: 08-11470

Date: 8/10/2017

ALTA ENVIRONMENTAL

Air Sampling Form

Client: SMUSD.
Project No.:
Project Location: Malibu H.S.

Phase II S/E covered walkway (by handicapp ramp).

Date: 8/10/17
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*
810-01		Ducts entrance (classroom)	OWA	strip removal	1146	1422	3.0	3.0	468	6/100	0.0062
810-02		neg air exhaust.	OWA	"	1148	1420	3.0	3.0	456	3/100	0.0039

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 # 81-01
Fiber/Fields 0/100

Lab Blank

Sample # 81-02
Fiber/Fields 0/100

Microscopist: Vilton Sanidad
Microscope #: 6F
Graticle field area (mm²): 0.00785
Filter area (mm²): 385
Q.C. slide readable: 25
Rotometer #: 2 LVS-31

Comments:

On-Site Technician: Vilton Sanidad
Signature:
Cert Number: 08-4470

ALTA ENVIRONMENTAL

Log Sheet

Project Name: Malibu High School Date: 8/11/2017

Project Location: Malibu California Job No.:

Project/Area Description: Phase II S/E covered walkway, (behind disappearing)

Scope of Work: Continue removal of fireproofing

Type of Containment: full containment.

Respiratory Protection: 1/2 face APR's

Abatement Contractor: AIR Inc.

Contractor Supervisor: Gustavo Perez + 6 (4 workers DCM wide)

Alta Rep. On-Site: Victor Sanchez

Project Manager: Cesar Revalcuba

Time Arrived (Military): 0600 Shift Start Time: 0600

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			
Personal			
Clearance			
Background			

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

Other Contractors On-Site	Contractor Activities
Samsat Trades	

ALTA ENVIRONMENTAL

Client: SMMUSD. Page 1 of 1

Project Name: Malibu H. School Alta Job No.:

TIME OF OBSERVATION	COMMENTS
0600	Shift starts, AHR inc is on site, a total of 7 workers including supervisor. Todays scope of work is to continue removal of trace stucco in the Phase II S/E walkway. 4 workers start Tommy BBT to entire work area.
0630	Removal of stucco is occurring using manual/mech. using wet method, by airless sprayer, utilizing manual means for removal, using hammers crowbars, etc. At this time a dumpster is present to store all generated waste.
0700	Starts bagout, using a bobcat to carry debris to 40 yard Dumpster. NOTE: waste will be disposed as regular construction debris.
0830	Continues removal of stucco.
	NOTE: Several trades are on site, working on all bldgs including doors, windows, floors etc.
0930	Removal of stucco continues, also bagout is occurring at this time, cleanup occurring north half section of work area. using hepa vacuums to clean studs on ceiling, wet wiping studs and poly walls
1045	Finishes stucco removal, at this time workers
1100	take Lunch break
1200	workers return from lunch break, 2 workers will enter work area to perform work area final clean up and detailing, all other workers will perform NON-ACM work, clean up etc.
1300	works are wet wiping work area, all waste is stored in 40 yard Dumpster.
1330	finish final clean up. AHA performs a final clearance visual inspection and drops work area teardown.
1430	End of shift.

For Bag-Out Shift Only

# of Bags	Manifest #

Alta Rep. Signature:
Cert. Number: 08-4470
Date: 8-11-2017

ALTA ENVIRONMENTAL

Air Sampling Form

Client: SMUSD.
Project No.:
Project Location: Malibu High School

Phase II SITE covered w/ hwy (by landscape Pump)

Date: 8/11/2017
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*
		NOTE: due to extremely dusty conditions due to traffic									
		by several trucks, workers, equipment, trucks, etc.									
		Alta did not collect any air samples									
		Work area was cleared visually									
		(exposed and dry soil around work area)									

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 #
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: Victor Samilet
Signature:
Cert Number: 08-1476

Appendix B

Laboratory Reports

ENVIRONMENTAL LABORATORIES LLC

1508 East 33rd Street
Signal Hill, CA 90755
Toll: 888-207-2022
Tel: 562-206-2770
Fax: 562-206-2773

Alta Environmental
3777 Long Beach Blvd.
Long Beach CA 90807
Attn.: Cesar Ruvalcaba

Report Number 1727824

Project Number SMSD-17-6684
Project Name Malibu High School
Location Bldgs E, A & B-C
PO Number
WO Number

Date Received 05/24/2017
Date Analyzed 05/24/2017
Date Reported 05/24/2017

Date Sampled 05/23/2017
Sampled By Victor Sanchez
Total Samples 34

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
1727824-001	Bldg E					
E-01	Stucco, White/ Gray, Non-homogeneous	LAYER 1 100%	Quartz Calcium Carbonate Binder/Filler	45% 35% 20%	Chrysotile	<1%
	Asbestos Present: Yes		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**<1%**
1727824-002	Bldg E					
E-02	Stucco, Beige/Green/Gray, Non-homogeneous	LAYER 1 100%	Quartz Calcium Carbonate Binder/Filler	40% 35% 25%	Chrysotile	<1%
	Asbestos Present: Yes		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**<1%**
1727824-003	Bldg E					
E-03	Stucco, Beige/Green/Gray, Non-homogeneous	LAYER 1 100%	Quartz Calcium Carbonate Binder/Filler	40% 35% 25%	Chrysotile	<1%
	Asbestos Present: Yes		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**<1%**
1727824-004	Bldg E					
E-04	Stucco, Beige/Green/Gray, Non-homogeneous	LAYER 1 100%	Quartz Calcium Carbonate Binder/Filler	40% 30% 30%	Chrysotile	<1%
	Asbestos Present: Yes		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**<1%**
1727824-005	Bldg E					
E-05	Stucco, Beige/White/Gray, Non-homogeneous	LAYER 1 100%	Quartz Calcium Carbonate Binder/Filler	40% 35% 25%	Chrysotile	<1%
	Asbestos Present: Yes		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**<1%**
1727824-006	Bldg E					
E-06	Stucco, Beige/White/Gray, Non-homogeneous	LAYER 1 100%	Quartz Calcium Carbonate Binder/Filler	40% 35% 25%	Chrysotile	<1%
	Asbestos Present: Yes		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**<1%**

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Sampled By Victor Sanchez
Total Samples 34

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
1727824-007	Bldg E					
E-07	Stucco, Beige/White/Gray, Non-homogeneous	LAYER 1 100%	Quartz Calcium Carbonate Binder/Filler	40% 35% 25%	Chrysotile	<1%
	Asbestos Present: Yes		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**<1%**
1727824-008	Bldg E					
E-08	Stucco Barrier Paper, Black, Homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	70% 30%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
1727824-009	Bldg E					
E-09	Stucco Barrier Paper, Black, Homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	70% 30%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
1727824-010	Bldg E					
E-10	Stucco Barrier Paper, Black, Homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	70% 30%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
1727824-011	Bldg A					
A-01	Stucco, Beige/ Gray, Non-homogeneous	LAYER 1 100%	Quartz Calcium Carbonate Binder/Filler	45% 35% 20%	Chrysotile	<1%
	Asbestos Present: Yes		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**<1%**
1727824-012	Bldg A					
A-02	Stucco, Beige/ Gray, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Quartz Calcium Carbonate Binder/Filler	<1% 45% 35% 20%	Chrysotile	<1%
	Asbestos Present: Yes		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**<1%**

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Sampled By Victor Sanchez
Total Samples 34

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
1727824-013	Bldg A					
A-03	Stucco, Beige/Brown/ Gray, Non-homogeneous	LAYER 1 100%	 Quartz Calcium Carbonate Binder/Filler	 45% 35% 20%	Chrysotile	<1%
	Asbestos Present: Yes		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**<1%**
1727824-014	Bldg A					
A-04	Stucco, Beige/Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Quartz Calcium Carbonate Binder/Filler	<1% 35% 40% 25%	Chrysotile	<1%
	Asbestos Present: Yes		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**<1%**
1727824-015	Bldg A					
A-05	Stucco, Beige/Brown/ Gray, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Quartz Calcium Carbonate Binder/Filler	<1% 35% 35% 30%	Chrysotile	<1%
	Asbestos Present: Yes		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**<1%**
1727824-016	Bldg A					
A-06	Stucco Barrier Paper, Black, Homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	70% 30%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
1727824-017	Bldg A					
A-07	Stucco Barrier Paper, Black/Beige, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	75% 25%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
1727824-018	Bldg A					
A-08	Stucco Barrier Paper, Black/Beige, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	75% 25%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Date Sampled 05/23/2017
Sampled By Victor Sanchez
Total Samples 34

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
1727824-019	Bldg A					
A-09	Skim Coat, Beige/ Brown, Non-homogeneous	LAYER 1			Chrysotile	<1%
		100%	Quartz	30%		
			Calcium Carbonate	40%		
			Binder/Filler	30%		
	Asbestos Present: Yes		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**<1%**
1727824-020	Bldg A					
A-10	Skim Coat, Beige, Non-homogeneous	LAYER 1			Chrysotile	<1%
		100%	Quartz	25%		
			Calcium Carbonate	40%		
			Binder/Filler	35%		
	Asbestos Present: Yes		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**<1%**
1727824-021	Bldg A					
A-11	Skim Coat, Beige, Non-homogeneous	LAYER 1			Chrysotile	<1%
		100%	Quartz	25%		
			Calcium Carbonate	40%		
			Binder/Filler	35%		
	Asbestos Present: Yes		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**<1%**
1727824-022	Bldg A					
A-12	Skim Coat, Beige/ Brown, Non-homogeneous	LAYER 1			Chrysotile	<1%
		100%	Quartz	25%		
			Calcium Carbonate	35%		
			Binder/Filler	40%		
	Asbestos Present: Yes		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**<1%**
1727824-023	Bldg A					
A-13	Skim Coat, Beige/ Brown/Gray, Non-homogeneous	LAYER 1			Chrysotile	<1%
		100%	Quartz	30%		
			Calcium Carbonate	40%		
			Binder/Filler	30%		
	Asbestos Present: Yes		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**<1%**
1727824-024	Bldg B-C					
BC-01	Stucco, White, Non-homogeneous	LAYER 1			Chrysotile	<1%
		100%	Calcium Carbonate	25%		
			Quartz	45%		
			Other Non-Fibrous Material	30%		
	Asbestos Present: Yes		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**<1%**

ENVIRONMENTAL LABORATORIES LLC

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Attn.: Cesar Ruvalcaba

Report Number 1727824

Project Number SMSD-17-6684
Project Name Malibu High School
Location Bldgs E, A & B-C
PO Number
WO Number

Date Received 05/24/2017
Date Analyzed 05/24/2017
Date Reported 05/24/2017

Date Sampled 05/23/2017
Sampled By Victor Sanchez
Total Samples 34

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
1727824-025	Bldg B-C					
BC-02	Stucco, White/Brown, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Quartz Other Non-Fibrous Material	25% 40% 35%	Chrysotile	<1%
	Asbestos Present: Yes		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**<1%**
1727824-026	Bldg B-C					
BC-03	Stucco, White, Homogeneous	LAYER 1 100%	Calcium Carbonate Quartz Other Non-Fibrous Material	25% 45% 30%	Chrysotile	<1%
	Asbestos Present: Yes		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**<1%**
1727824-027	Bldg B-C					
BC-04	Stucco, White, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Quartz Other Non-Fibrous Material	30% 45% 25%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
1727824-028	Bldg B-C					
BC-05	Stucco, White, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Quartz Other Non-Fibrous Material	25% 45% 30%	Chrysotile	<1%
	Asbestos Present: Yes		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**<1%**
1727824-029	Bldg B-C					
BC-06	Stucco Barrier Paper, Brown/White, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	90% 10%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
1727824-030	Bldg B-C					
BC-07	Stucco Barrier Paper, Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	85% 15%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

ENVIRONMENTAL LABORATORIES LLC

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Alta Environmental
3777 Long Beach Blvd.
Long Beach CA 90807
Attn.: Cesar Ruvalcaba

Report Number 1727824

Project Number SMSD-17-6684
Project Name Malibu High School
Location Bldgs E, A & B-C
PO Number
WO Number

Date Received 05/24/2017
Date Analyzed 05/24/2017
Date Reported 05/24/2017

Date Sampled 05/23/2017
Sampled By Victor Sanchez
Total Samples 34

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
1727824-031	Bldg B-C					
BC-08	Stucco Barrier Paper, Brown/White, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	90% 10%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
1727824-032	Bldg B-C					
BC-09	Skim Coat, White, Non-homogeneous	LAYER 1 100%	 Calcium Carbonate Quartz Binder/Filler	 40% 20% 40%	Chrysotile	<1%
	Asbestos Present: Yes		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**<1%**
1727824-033	Bldg B-C					
BC-10	Skim Coat, White, Non-homogeneous	LAYER 1 100%	 Quartz Calcium Carbonate Binder/Filler	 25% 40% 35%	Chrysotile	<1%
	Asbestos Present: Yes		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**<1%**
1727824-034	Bldg B-C					
BC-11	Skim Coat, White, Non-homogeneous	LAYER 1 100%	 Quartz Calcium Carbonate Binder/Filler	 25% 40% 35%	Chrysotile	<1%
	Asbestos Present: Yes		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**<1%**

Analysts: CET (001-023); FDC (024-034)

Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Due to PLM limitations, results on samples with None Detected or samples with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported.

Analyst - Fred Chappelear

Approved Signatory Cristina E. Tabatt

NVLAP® Lab Code 500044-0

CHAIN OF CUSTODY

AQ ENVIRONMENTAL LABORATORIES
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services@AQenvlabs.com

(Lab) Order No. 1727824

CUSTOMER INFORMATION	
Company	Alta Environmental
Address	3777 Long Beach Annex Building
	Long Beach CA 90807
Contact	Cesar Rivalcaba
Office Phone	562 495-5777
Cell	310 95- 9486
Fax	562 495-5877
Email	ericfleming@altaenviro.com

Turnaround Time		Shipped By		Report Send Via:	
Same Day	☑	Fedex	☐	Web	☐
1 Day	☐	UPS	☐	Email	☑
2 Day	☐	USPS	☐	Fax	☐
3 Day	☐	Drop Off	☑	Verbal	☐
5 Day	☐	Drop Box	☐	Mail	☐
Weekend	☐	Other	☐	Pick up	☐

Special Instructions:

PROJECT INFORMATION			
Project Name:	Malibu High School	PO Number:	
Project Number:	SMSD-17 6684	Work Order No.:	
Location:	Bldgs E, A & B-C	Sampled By:	Victor sanchez

PLM		PCM		MOLD		LEAD (Pb)			
PLM EPA 600/R-93/116	☑	NIOSH 7400A	☐	Spore Trap	☐	Air	☐	TTLC	☐
PLM 400 Pt. Count (<0.25%)	☐	NIOSH 7400B	☐	Tape Lift	☐	Paint	☐	STLC	☐
PLM 1000 Pt. Count (<0.1%)	☐	w/ TWA	☐	Bulk Sample	☐	Wipe	☐	TCLP	☐
						Soil	☐		

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time / Stop Time	Avg Flow Rate	Volume (L)
E-01	stucco	Bldg E	5/23/17			
E-02						
E-03						
E-04						
E-05						
E-06						
E-07						
E-08	stucco burning paper					
E-09						
E-10						

Relinquished By:	5/24/2017	Received By:	
Date/Time:	5/24/17 0500	Date/Time:	5/24/17 08:00

Lab Forms
Ver. 082411

CHAIN OF CUSTODY

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AQ ENVIRONMENTAL LABORATORIES

Company: Alta Environmental
Project Number: SMSD-17-6684
Project Name: Malibu H. School

(Lab) Order No. 1727824

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time / Stop Time	Avg Flow Rate	Volume (L)
A-01, A-02	STUCCO	Bldg A				
A-03 - A-04						
A-05						
A-06, A-07	STUCCO barrier paper					
A-08						
A-09	Skim coat					
A-10						
A-11						
A-12						
A-13						
BC-01, BC-02	STUCCO	Bldg B-C				
BC-03						
BC-04						
BC-05						
BC-06	STUCCO barrier paper					
BC-07						
BC-08						
BC09	Skim coat					
BC-10						
BC-11						

Relinquished By:	Received By:
Date/Time: 5/24/2017 0500	Date/Time: 5/24/17 08:00

Lab Forms
Ver. 082411

ENVIRONMENTAL LABORATORIES LLC

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Alta Environmental
3777 Long Beach Blvd.
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Report Number 1727845

Project Number SMSD-17-6684
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Date Received 05/24/2017
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Date Sampled 05/24/2017
Sampled By Victor Sanchez
Total Samples 24

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
1727845-001	Bldg E					
E-01	Stucco, White/ Gray, Non-homogeneous	LAYER 1 100%	Acid Soluble Material Organic/Volatile Material Non-Asbestos Residue	30.36% 5.59% 64.05%	Chrysotile	<0.1%
1000 pt. POINT COUNT						
	Asbestos Present: Yes		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**<0.1%**
1727845-002	Bldg E					
E-02	Stucco, Beige/Green/Gray, Non-homogeneous	LAYER 1 100%	Acid Soluble Material Organic/Volatile Material Non-Asbestos Residue	29.88% 6.31% 63.81%	Chrysotile	<0.1%
1000 pt. POINT COUNT						
	Asbestos Present: Yes		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**<0.1%**
1727845-003	Bldg E					
E-03	Stucco, Beige/Green/Gray, Non-homogeneous	LAYER 1 100%	Acid Soluble Material Organic/Volatile Material Non-Asbestos Residue	31.68% 10.81% 57.51%	Chrysotile	<0.1%
1000 pt. POINT COUNT						
	Asbestos Present: Yes		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**<0.1%**
1727845-004	Bldg E					
E-04	Stucco, Beige/Green/Gray, Non-homogeneous	LAYER 1 100%	Acid Soluble Material Organic Binders/Volatile Material Non-Asbestos Residue	33.37% 7.90% 58.73%	Chrysotile	<0.1%
1000 pt. POINT COUNT						
	Asbestos Present: Yes		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**<0.1%**
1727845-005	Bldg E					
E-05	Stucco, Beige/White/Gray, Non-homogeneous	LAYER 1 100%	Acid Soluble Material Organic/Volatile Material Non-Asbestos Residue	23.74% 8.43% 67.83%	Chrysotile	<0.1%
1000 pt. POINT COUNT						
	Asbestos Present: Yes		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**<0.1%**

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Total Samples 24

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
1727845-006	Bldg E					
E-06	Stucco, Beige/White/Gray, Non-homogeneous	LAYER 1 100%	Acid Soluble Material Organic Binders/Volatile Material Non-Asbestos Residue	27.04% 8.75% 64.02%	Chrysotile	0.19%
1000 pt. POINT COUNT						
	Asbestos Present: Yes		Total % Non-Asbestos:	99.8%	**Total %Asbestos:**	**0.19%**
1727845-007	Bldg E					
E-07	Stucco, Beige/Brown/Gray, Non-homogeneous	LAYER 1 100%	Acid Soluble Material Organic/Volatile Material Non-Asbestos Residue	24.75% 8.44% 66.81%	Chrysotile	<0.1%
1000 pt. POINT COUNT						
	Asbestos Present: Yes		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**<0.1%**
1727845-008	Bldg A					
A-01	Stucco, Beige/ Gray, Non-homogeneous	LAYER 1 100%	Acid Soluble Material Organic/Volatile Material Non-Asbestos Residue	20.87% 4.21% 74.47%	Chrysotile	0.45%
1000 pt. POINT COUNT						
	Asbestos Present: Yes		Total % Non-Asbestos:	99.6%	**Total %Asbestos:**	**0.45%**
1727845-009	Bldg A					
A-02	Stucco, Beige/ Gray, Non-homogeneous	LAYER 1 100%	Acid Soluble Material Organic/Volatile Material Non-Asbestos Residue	22.44% 4.71% 72.34%	Chrysotile	0.51%
1000 pt. POINT COUNT						
	Asbestos Present: Yes		Total % Non-Asbestos:	99.5%	**Total %Asbestos:**	**0.51%**
1727845-010	Bldg A					
A-03	Stucco, Beige/Brown/ Gray, Non-homogeneous	LAYER 1 100%	Acid Soluble Material Organic/Volatile Material Non-Asbestos Residue	26.28% 6.96% 66.53%	Chrysotile	0.23%
1000 pt. POINT COUNT						
	Asbestos Present: Yes		Total % Non-Asbestos:	99.8%	**Total %Asbestos:**	**0.23%**

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Project Number SMSD-17-6684
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Sampled By Victor Sanchez
Total Samples 24

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
1727845-011	Bldg A					
A-04	Stucco, Beige/Brown, Non-homogeneous	LAYER 1 100%	Acid Soluble Material Organic/Volatile Material Non-Asbestos Residue	30.60% 7.71% 61.57%	Chrysotile	0.12%
1000 pt. POINT COUNT						
	Asbestos Present: Yes		Total % Non-Asbestos:	99.9%	**Total %Asbestos:**	**0.12%**
1727845-012	Bldg A					
A-05	Stucco, Beige/Brown/Gray, Non-homogeneous	LAYER 1 100%	Acid Soluble Material Organic/Volatile Material Non-Asbestos Residue	25.47% 7.22% 66.84%	Chrysotile	0.47%
1000 pt. POINT COUNT						
	Asbestos Present: Yes		Total % Non-Asbestos:	99.5%	**Total %Asbestos:**	**0.47%**
1727845-013	Bldg A					
A-09	Skim Coat, Beige/Brown, Non-homogeneous	LAYER 1 100%	Acid Soluble Material Organic/Volatile Material Non-Asbestos Residue	35.75% 8.48% 55.15%	Chrysotile	0.62%
1000 pt. POINT COUNT						
	Asbestos Present: Yes		Total % Non-Asbestos:	99.4%	**Total %Asbestos:**	**0.62%**
1727845-014	Bldg A					
A-10	Skim Coat, Beige, Non-homogeneous	LAYER 1 100%	Acid Soluble Material Organic/Volatile Material Non-Asbestos Residue	44.69% 9.45% 45.45%	Chrysotile	0.41%
1000 pt. POINT COUNT						
	Asbestos Present: Yes		Total % Non-Asbestos:	99.6%	**Total %Asbestos:**	**0.41%**
1727845-015	Bldg A					
A-11	Skim Coat, Beige/Brown, Non-homogeneous	LAYER 1 100%	Acid Soluble Material Organic/Volatile Material Non-Asbestos Residue	37.78% 8.81% 52.93%	Chrysotile	0.48%
1000 pt. POINT COUNT						
	Asbestos Present: Yes		Total % Non-Asbestos:	99.5%	**Total %Asbestos:**	**0.48%**

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Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
1727845-016	Bldg A					
A-12	Skim Coat, Beige/Brown, Non-homogeneous	LAYER 1 100%	Acid Soluble Material Organic/Volatile Material Non-Asbestos Residue	33.40% 8.86% 57.47%	Chrysotile	0.27%
1000 pt. POINT COUNT						
	Asbestos Present: Yes		Total % Non-Asbestos:	99.7%	**Total %Asbestos:**	**0.27%**
1727845-017	Bldg A					
A-13	Skim Coat, Beige/Brown/Gray, Non-homogeneous	LAYER 1 100%	Acid Soluble Material Organic/Volatile Material Non-Asbestos Residue	30.51% 5.37% 63.78%	Chrysotile	0.34%
1000 pt. POINT COUNT						
	Asbestos Present: Yes		Total % Non-Asbestos:	99.7%	**Total %Asbestos:**	**0.34%**
1727845-018	Bldg B-C					
BC-01	Stucco, White, Non-homogeneous	LAYER 1 100%	Acid Soluble Material Organic/Volatile Material Non-Asbestos Residue	27.33% 6.62% 66.04%	Chrysotile	<0.1%
1000 pt. POINT COUNT						
	Asbestos Present: Yes		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**<0.1%**
1727845-019	Bldg B-C					
BC-02	Stucco, White/Brown, Non-homogeneous	LAYER 1 100%	Acid Soluble Material Organic/Volatile Material Non-Asbestos Residue	29.93% 7.32% 62.75%	Chrysotile	<0.1%
1000 pt. POINT COUNT						
	Asbestos Present: Yes		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**<0.1%**
1727845-020	Bldg B-C					
BC-03	Stucco, White, Homogeneous	LAYER 1 100%	Acid Soluble Material Organic/Volatile Material Non-Asbestos Residue	19.38% 3.11% 77.51%	Chrysotile	<0.1%
1000 pt. POINT COUNT						
	Asbestos Present: Yes		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**<0.1%**

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Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
1727845-021	Bldg B-C					
BC-05	Stucco, White, Non-homogeneous	LAYER 1			Chrysotile	0.15%
		100%	Acid Soluble Material	21.44%		
			Organic/Volatile Material	3.07%		
			Non-Asbestos Residue	75.34%		
1000 pt. POINT COUNT						
	Asbestos Present: Yes		Total % Non-Asbestos:	99.9%	**Total %Asbestos:**	**0.15%**
1727845-022	Bldg B-C					
BC-09	Skim Coat, White, Non-homogeneous	LAYER 1			Chrysotile	0.34%
		100%	Acid Soluble Material	38.82%		
			Organic/Volatile Material	12.44%		
			Non-Asbestos Residue	48.40%		
1000 pt. POINT COUNT						
	Asbestos Present: Yes		Total % Non-Asbestos:	99.7%	**Total %Asbestos:**	**0.34%**
1727845-023	Bldg B-C					
BC-10	Skim Coat, White, Non-homogeneous	LAYER 1			Chrysotile	0.30%
		100%	Acid Soluble Material	31.76%		
			Organic/Volatile Material	9.09%		
			Non-Asbestos Residue	58.85%		
1000 pt. POINT COUNT						
	Asbestos Present: Yes		Total % Non-Asbestos:	99.7%	**Total %Asbestos:**	**0.30%**
1727845-024	Bldg B-C					
BC-11	Skim Coat, White, Non-homogeneous	LAYER 1			Chrysotile	0.24%
		100%	Acid Soluble Material	29.64%		
			Organic/Volatile Material	9.17%		
			Non-Asbestos Residue	60.95%		
1000 pt. POINT COUNT						
	Asbestos Present: Yes		Total % Non-Asbestos:	99.8%	**Total %Asbestos:**	**0.24%**

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Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)

Analysts: CET (001-017); FDC (018-024)

Note: EPA 400 point count extended to 1000 points to meet the Cal OSHA regulatory limit of 0.1%.

Method Detection Limit: One tenth of one percent (0.1%). Asbestos content has been determined using the point count method. Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Due to PLM limitations, results on samples with None Detected or samples with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported.

Analyst - Fred Chappelear

Approved Signatory Cristina E. Tabatt

NVLAP® Lab Code 500044-0

Certificate of Analysis

Lead - TTLC

EPA Method 3050B/7000A

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1041 S. Placentia Avenue, Fullerton, CA 92831

PATRIOT Environmental Laboratory Services, Inc.

IDR Demolition
4930 E. La Palma Ave.
Anaheim CA

Report Number:	667354
Project Number:	2017-132AD
Project Name:	Malibu H School
Project Location:	30215 Morning View Dr Malibu, CA

Date Collected:	6/16/2017	Collected By:	Francisco Perez
Date Received:	6/19/2017	Claim Number:	
Date Analyzed:	6/19/2017	PO Number:	
Date Reported:	6/19/2017	Number of Samples:	1

Lab/Client ID	Location	Material Description	Result (mg/kg)
667354-001	Bldg E Restroom 1 and 2	Ceramic Tile	<10

Bridgett Hunt - Analyst

MeShaun Quiambao - Approved By

Reporting Limit: 20ug; Detection Limit: 6.3ug. Condition of samples as received is fair unless otherwise noted. The results reported pertain only to the items tested. Test data are accurate to two significant figures. Data have not been corrected with instrument or process blanks. Unless otherwise noted, the reported test results have passed necessary quality control requirements. This report was issued by a DOHS ELAP (Lab No.2540) accredited laboratory and may not be reproduced without the expressed written consent of Patriot Environmental Laboratory Services, Inc. This report must not be used to claim product certification, approval or endorsement by DOHS ELAP or any government agency.

CenB Bulk sample

~~AIR SAMPLE DATA LOG~~ RUSH 4HRS

RUSH

667354

6/19/17 9am

PROJECT NUMBER: 2017-132AD

PROJECT NAME: Malibu H. School

PROJECT ADDRESS: 30215 Morning View Dr.

CITY: Malibu CA

DATE COLLECTED: 6/16/17

COLLECTED BY: F. Percl

TOTAL # OF SAMPLES:

PO #

PUMP #	SAMPLE #	TIME ON / OFF	TOTAL MIN.	FLOW RATE BEFORE / AFTER	AVG RATE	RESP TYPE	DESCRIPTION ACTIVITY, LOCATION, PERSON'S NAME, SS #	FIBER COUNT	DETECTION LIMIT	FIBERS CC
							Ceramic tile from Bldg #E Restroom #1-2			

ANALYTICAL METHOD: PCM TEM PLM ASS - FLAME * LEAD (BULK) FT - CT - DW - MASTIC

CHAIN OF CUSTODY

SAMPLE BY: Francisco Percl DATE: 6/16/17 TIME: 3:30pm COMPANY: IDR

RECEIVED BY: Maciel DATE: 6/19/17 TIME: 3:50PM COMPANY:

RECEIVED BY: DATE: TIME: COMPANY:

ANALYZED BY: DATE: TIME: COMPANY:

NOTE: WHITE – YELLOW BACK TO OFFICE WITH CASSETTES **PINK – SUPERVISOR'S RECORDS**

FT = FLOOR TILE
CT = CEILING TILE
DW = DRYWALL

PLM = POLARIZED LIGHT MICROSCOPY
TEM = TRANSMISSION ELECTROMICROSCOPY
PCM = PHASE CONTRACT MICROSCOPY

Appendix C

Waste Manifest

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
CAC002904115	1	800-451-8346	020768

GENERATOR

5. Generator's Name and Mailing Address
Attn: DENNIS CHAVEZ
SANTA MONICA-MALIBU UNIFIED SCHOOL DISTRICT
1651 16THST
SANTA MONICA CA 90404
Generator's Phone: 310 450-8338

Generator's Site Address (if different than mailing address)
MALIBU HIGH SCHOOL
30215 MORNING VIEW DR
MALIBU CA 90265

6. Transporter 1 Company Name: BDC SPECIAL WASTE SERVICES
U.S. EPA ID Number: CAR000181891

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Addresss
AZUSA LAND RECLAMATION CO, INC
1211 W. GLADSTONE ST.
AZUSA CA 91702
Facility's Phone: 626 224-9127
U.S. EPA ID Number: CAD009007826

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON-FRIABLE ASBESTOS	1	CM	36	Y	NONE
2.						
3.					TIC	$ 486487
4.						

13. Special Handling Instructions and Additional Information
1) BDC Special Waste Services 1211 W Gladstone St Azusa,Ca 91702 (626)224-9129 Profile#107623CA Exp 11-11-17
EPA Region IX 75 Hawthorne St. Ste#11 San Francisco, Ca 94105 (415)947-8000
Asbestos Removal Requirment 40CFR61 (Bagged, Sealed & Labeled) INTEGRATED DEMO

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: JASON DODD
Signature
Month: 9 Day: 22 Year: 17

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: ROGELIO RODRIGUEZ
Signature
Month: 09 Day: 22 Year: 17

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

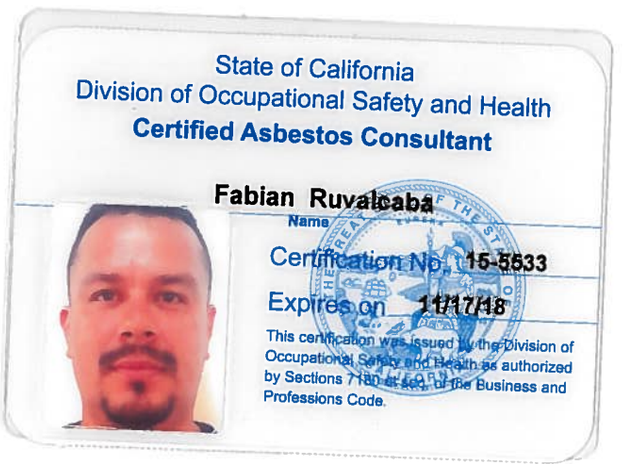
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 17a

Printed/Typed Name: NORBIT J
Signature
Month: 9 Day: 22 Year: 17

TRANSPORTER #2

Appendix D

Alta Environmental Employee Certifications



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

Fabian Ruvalcaba
Name

Certification No. 15-5533

Expires on 11/17/18

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	12/06/2017

23408

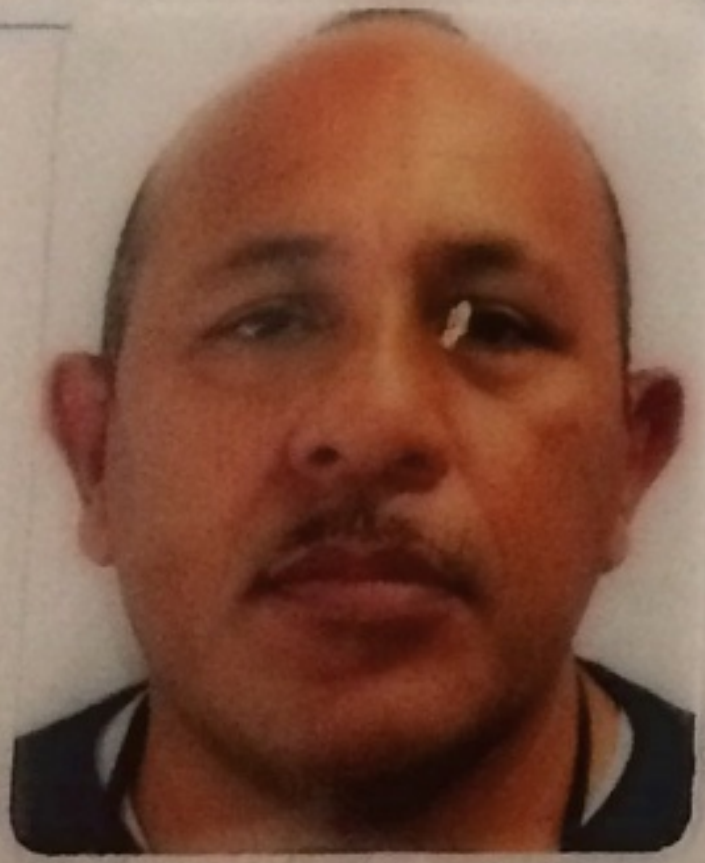
Fabian Ruvalcaba

ID #: 22130

State of California

Division of Occupational Safety and Health

Certified Asbestos Consultant



Victor M Sanchez

Name

Certification No. 08-4470

Expires on 01/15/18

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	11/09/2017
	Supervisor	11/09/2017
	Project Monitor	11/09/2017

12808

Victor M. Sanchez

ID #: 10148

State of California Department of Public Health

Lead-Related Construction Certificate

Certificate Type: **Inspector/Assessor**

Expiration Date: **08/24/2017**

James C. Byers

ID #: **14805**

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

Name: **James Charles Byers, Jr.**

Certification No.: **06-4122**

Expires on: **01/18/17**

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.

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

Cesar Ruvalcaba
Name

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