



January 17, 2018

Santa Monica-Malibu Unified School District
Facilities Improvement Projects
2828 4th Street
Santa Monica, California 90405

Attention: Nelson Martinez, CCM, LEED AP

**Re: Release of Work Area following Abatement of Hazardous Materials
Malibu High School, Buildings F, I, and G**

1 PROJECT BACKGROUND

Alta Environmental (Alta) conducted full-time monitoring and observation during the removal of identified asbestos containing materials, lead-based paints, and PCB-related removal work which included removal of window frames and door frames and surrounding porous surfaces.

2 PROJECT OBSERVATIONS

The removal of ACM, LBP, and PCB was completed by Asbestos Instant Response, Inc., a California DOSH license contractor (#795278), located in Los Angeles, California.

2.1 Asbestos Removal Activities

Asbestos removal work was performed using wet methods, proper isolation measures including containment, critical barriers, and temporary negative pressure differential and worker decontamination. The work was performed by asbestos trained workers using disposable clothing, air purifying respirators, hand, and foot and eye protection.

Following the removal, Air Inc. and Alta field personnel performed a final visual inspection. Final clearance air sampling for asbestos was conducted. The samples were analyzed using Transmission Electron Microscopy (TEM). A minimum of five samples from inside the work area were collected. Results of the arithmetic mean of the asbestos structure concentrations per square millimeter was less than or equal to 70

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structures per square millimeter; the level recommended by the Environmental Protection Agency (EPA) for area re occupancy following an asbestos response action.

2.2 Lead-Related Construction Activities

Removal of lead-based paints was performed using wet methods, proper isolation measures including containment, signs, critical barriers, and worker decontamination facility. The work was performed by lead trained workers using disposable clothing, air purifying respirators, hand, and foot and eye protection.

Following removal activities, Air Inc. and Alta field personnel performed a final visual inspection.

Alta collected representative wipe samples. Sample were reported below the EPA level for re-occupancy of 800 micrograms per square foot.

2.3 PCB-related Removal Work Activities

Air Inc. removed exterior door frames and window frames and PCB impacted surrounding porous materials. A full containment work area including critical barriers, three-stage worker decontamination facility, and temporary negative pressure differential was established. The removal was completed using manual means and wet methods. The work was completed by HAZWOPER trained technicians.

Following the removal, Air Inc. and Alta field personnel performed a final visual inspection.

Following the PCB work and before dismantling of the containment, Alta collected surface wipe samples in each containment work area. The samples were analyzed and reported to be below the level of detection by the laboratory.

Furthermore, prior to re-occupancy of the buildings, Alta conducted both wipe and air sampling inside each affected room. All samples collected, both wipe and air were reported below the recommended level established by the EPA area re-occupancy.

3 CONCLUSIONS

3.1 Asbestos

The asbestos removal was completed in accordance with NESHAPS Standards (locally enforced by the South Coast Air Quality Management District), Cal-OSHA regulation, and approved Abatement Plan, prepared by Alta (SMSD-16-6286, dated January 20, 2017).

3.2 Lead

The lead-related construction work was completed in accordance with Cal/OSHA lead in construction standard "Cal/OSHA Title 8 CCR, Section 1532.1 (d)", and project Abatement Plan requirements, prepared by Alta (SMSD-16-6286, dated January 20, 2017).

3.3 PCBs

All PCB related work was completed in accordance with the approved "Specific PCB Removal/Remediation Plan" (#SMSD-16-6522), completed by Alta for this project, dated, April 6, 2017.

4 SIGNATORY

Respectfully submitted by:

Alta Environmental



Cesar Ruvalcaba
Project Manager
Certified Asbestos Consultant #95-1799
CDPH Certified Lead Project Monitor I-6855

Reviewed by:



David Schack
Vice-President, Building Sciences
Certified Asbestos Consultant
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Lead Inspector/Assessor
CDPH Cert. #1104

Attachments:

Summary of PCB Wipe and Air Samples

Site: Malibu High School, Building F

Subject: Summary of PCB Sampling Results - Wipes and Air Samples collected Prior to Re-Occupancy

Date: 8/17/2017

	Sample #	Sampled location	Surface Wipes by EPA 8082 Method			Air Samples by EPA TO-10A Method				Passed or failed
			Lab reporting limit (RL) (ug/100cm2)	Lab. Results (ug/100cm2)	Clearance criteria (ug/100cm2)	Lab reporting limit (RL) (ug/m3)	Lab Results Ug/M3	Lab Result Ng/m3 (comparison Ug to Ng)	Clearance criteria Ng/M3	
Surface Wipe	8121W-01	303-floor tile	1	ND	1					Passed
Surface Wipe	8121W-02	303C-Window sill	1	ND	1					Passed
Surface Wipe	8121W-03	303C-floor tile	1	ND	1					Passed
Surface Wipe	8121W-04	303B-Piano	1	ND	1					Passed
Surface Wipe	8121W-05	302E-Wood shelft	1	ND	1					Passed
Surface Wipe	8121W-06	302D-Plastic case	1	ND	1					Passed
Surface Wipe	8121W-07	302D-Window sill	1	ND	1					Passed
Surface Wipe	8121W-08	302C-Wood desk	1	ND	1					Passed
Surface Wipe	8121W-09	302C-Window sill	1	ND	1					Passed
Surface Wipe	8121W-10	302B-Wood desk	1	ND	1					Passed
Surface Wipe	8121W-11	302B-Window sill	1	ND	1					Passed
Surface Wipe	8121W-12	302A-Wood desk	1	ND	1					Passed
Surface Wipe	8121W-13	302A-Window sill	1	ND	1					Passed
Surface Wipe	8121W-14	302-Piano	1	ND	1					Passed
Surface Wipe	8121W-15	301D-floor tile	1	ND	1					Passed
Surface Wipe	8121W-16	301D-Window sill	1	ND	1					Passed
Surface Wipe	8121W-17	301C-floor tile	1	ND	1					Passed
Surface Wipe	8121W-18	301CWindow sill	1	ND	1					Passed
Surface Wipe	8121W-19	301B-floor tile	1	ND	1					Passed
Surface Wipe	8121W-20	301B-Window sill	1	ND	1					Passed
Surface Wipe	8121W-21	301A-floor tile	1	ND	1					Passed
Surface Wipe	8121W-22	301A-Window sill	1	ND	1					Passed
Surface Wipe	8121W-23	301-floor tile	1	ND	1					Passed
Surface Wipe	8121W-24	Blank	N/A	ND	N/A					Passed

Air TO-10A	1	301				0.0069	ND	<6.9	500	Passed
Air TO-10A	2	302A				0.0069	ND	<6.9	500	Passed
Air TO-10A	3	302B				0.0069	ND	<6.9	500	Passed
Air TO-10A	4	302C				0.0069	ND	<6.9	500	Passed
Air TO-10A	5	302D				0.0069	ND	<6.9	500	Passed
Air TO-10A	6	302E				0.0069	ND	11	500	Passed
Air TO-10A	7	302				0.0069	ND	14	500	Passed
Air TO-10A	9	303				0.0069	ND	<50	500	Passed
Air TO-10A	24	301A				0.0069	0.2	220	500	Passed
Air TO-10A	25	301B				0.0069	ND	<6.9	500	Passed
Air TO-10A	26	301C				0.0069	ND	<6.9	500	Passed
Air TO-10A	27	301D				0.0069	0.13	130	500	Passed
Air TO-10A	28	303				0.0069	ND	<6.9	500	Passed
Air TO-10A	31	Blank				N/A	ND	N/A	N/A	Passed

Site: Malibu High School, Building G

Subject: Summary of PCB Sampling Results - Wipes and Air Samples collected Prior to Re-Occupancy

Date: 8/17/2017

	Sample #	Sampled location	Surface Wipes by EPA 8082 Method			Air Samples by EPA TO-10A Method				Passed or failed
			Lab reporting limit (RL) (ug/100cm2)	Lab. Results (ug/100cm2)	Clearance criteria (ug/100cm2)	Lab reporting limit (RL) (ug/m3)	Lab Results Ug/M3	Lab Result Ng/m3 (comparison Ug to Ng)	Clearance criteria Ng/M3	
Surface Wipe	81217W-01	506-Wood floor	1	ND	1					Passed
Surface Wipe	1102W-01	506E-Concrete floor	1	ND	1					Passed
Surface Wipe	81217W-03	505-Wood desk	1	ND	1					Passed
Surface Wipe	81217W-04	504-Concrete floor	1	ND	1					Passed
Surface Wipe	81217W-05	501A-Concrete floor	1	ND	1					Passed
Surface Wipe	81217W-06	501B-Floor tile	1	ND	1					Passed
Surface Wipe	81217W-07	502A-Floor tile	1	ND	1					Passed
Surface Wipe	81217W-08	501-Floor tile	1	ND	1					Passed
Surface Wipe	81217W-09	502-Floor tile	1	ND	1					Passed
Surface Wipe	81217W-10	Blank	1	ND	N/A					Passed
Air TO-10A	10	506E				0.0069	0.092	92	500	Passed
Air TO-10A	11	506				0.0069	0.072	72	500	Passed
Air TO-10A	12	505				0.0069	0.16	160	500	Passed
Air TO-10A	13	505C				0.0069	ND	<6.9	500	Passed
Air TO-10A	14	502A				0.0069	ND	<6.9	500	Passed
Air TO-10A	15	501A				0.0069	ND	<6.9	500	Passed
Air TO-10A	16	501B				0.0069	ND	<6.9	500	Passed
Air TO-10A	17	501				0.0069	ND	<6.9	500	Passed
Air TO-10A	18	502				0.0069	ND	<6.9	500	Passed
Air TO-10A	30	Blank				0.0069	ND	<6.9	N/A	Passed

Site: Malibu High School, Building I

Subject: Summary of PCB Sampling Results - Wipes and Air Samples collected Prior to Re-Occupancy

Date: 8/17/2017

	Sample #	Sampled location	Surface Wipes by EPA 8082 Method			Air Samples by EPA TO-10A Method				Passed or failed
			Lab reporting limit (RL) (ug/100cm2)	Lab. Results (ug/100cm2)	Clearance criteria (ug/100cm2)	Lab reporting limit (RL) (ug/m3)	Lab Results Ug/M3	Lab Result Ng/m3 (comparison Ug to Ng)	Clearance criteria Ng/M3	
Surface Wipe	81217W-01	401-Floor tile	1	ND	1					Passed
Surface Wipe	81217W-02	401-Window sill	1	ND	1					Passed
Surface Wipe	81217W-03	401C-Floor tile	1	ND	1					Passed
Surface Wipe	81217W-04	401C-Window sill	1	ND	1					Passed
Surface Wipe	81217W-05	405-Floor tile	1	ND	1					Passed
Surface Wipe	81217W-06	402-Floor tile	1	ND	1					Passed
Surface Wipe	81217W-07	402-Window sill	1	ND	1					Passed
Surface Wipe	81217W-08	402B-Floor tile	1	ND	1					Passed
Surface Wipe	81217W-09	402B-Window sill	1	ND	1					Passed
Surface Wipe	81217W-10	Blank	1	ND	N/A					Passed
Air TO-10A	19	402B				0.0069	ND	<6.9	500	Passed
Air TO-10A	20	402				0.0069	ND	<6.9	500	Passed
Air TO-10A	21	405				0.0069	ND	<6.9	500	Passed
Air TO-10A	22	401C				0.0069	ND	<6.9	500	Passed
Air TO-10A	23	401				0.0069	ND	<6.9	500	Passed
Air TO-10A	29	Blank				0.0069	ND	N/A	N/A	Passed