Maez, Jan

From: Maez, Jan
Sent: Sunday, November 24, 2013 7:28 PM
To: Kamibayashi, Terry; Mark Katchen
Cc: Lyon, Sandra
Subject: RE: Malibu High Report
Attachments: Malibu-friable-non-friable drs111413.pdf

Terry,

This isn't really a revision (what you called it below) to their report - didn't we ask them to summarize their findings - and this is what they produced. I copied the Executive Summary in the report

From Alta Executive Summary page:

> *"Alta Environmental was retained by the Santa Monica Unified School District to review the most current AHERA 3-year re-inspection report and to provide a summary of 1) identified friable asbestos containing materials 2) and/or non-friable, with the potential to become, friable asbestos-containing materials at Malibu*
> *High School, located at 30215 Morning View Drive, Malibu, California.*
> *The summary of asbestos-containing materials included in this report is based on information included in the most current AHERA 3-year re-inspection report prepared by Alta Environmental, (#SMSD-13-1320, dated June 11, 2013). This summary of asbestos-containing materials was prepared by Tina Jordan, a Certified Asbestos Consultant and EPA Accredited Building Inspector."*

I couldn't find that we had posted to the web site - should we? And did they do the same for Cabrillo?

Janece L. Maez
Associate Superintendent Business and Fiscal Services
Chief Financial Officer
1651 16th Street
Santa Monica, CA 93404
310-450-8338 ext.268
310-581-6720 fax

From: Kamibayashi, Terry
Sent: Friday, November 15, 2013 12:57 PM
To: Mark Katchen; Lyon, Sandra; Maez, Jan
Subject: FW: Malibu High Report

Malibu High School AHERA revisions as requested by Task Force

From: Cesar Ruvalcaba [mailto:cesar.ruvalcaba@altaenviron.com]
Sent: Friday, November 15, 2013 12:13 PM
To: Kamibayashi, Terry
Cc: David Schack
Subject: RE: Malibu High Report

Terry,
Attached is the report. please let us know if you have any questions.

Regards,

CESAR RUVALCABA, CAC, CDPH-IA,PM
PROJECT MANAGER

ALTA ENVIRONMENTAL

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

From: Kamibayashi, Terry [mailto:tkamibayashi@smmusd.org]
Sent: Thursday, November 14, 2013 5:26 PM
To: Cesar Ruvalcaba
Subject: RE: Malibu High Report-Draft

Looks good please finalize

From: Cesar Ruvalcaba [mailto:cesar.ruvalcaba@altaenviron.com]
Sent: Thursday, November 14, 2013 3:11 PM
To: Kamibayashi, Terry
Subject: Malibu High Report-Draft

For your review and comments. if approved, we will finalized and send as final.

Let me know if you have any comments.

CESAR RUVALCABA, CAC, CDPH-IA,PM
PROJECT MANAGER

ALTA ENVIRONMENTAL

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Alta Environmental is the premier EH&S consultancy serving the needs of industrial, construction and transaction clients throughout the Western United States. For more information about our environmental compliance, subsurface remediation, building sciences and occupational safety capabilities, please click here for our website.

ALTA ENVIRONMENTAL

SUMMARY OF FRIABLE ASBESTOS-CONTAINING MATERIALS

Malibu High School
30215 Morning View Drive
Malibu, California

Prepared for:

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

Project No.: SMSD-13-3520
Date: November 14, 2013

Alta Environmental
3777 Long Beach Boulevard Annex Building
Long Beach CA 90807 United States of America
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Toll-free (US only) 800 777-0605 altaenviron.com

EXECUTIVE SUMMARY

Alta Environmental was retained by the Santa Monica Unified School District to review the most current AHERA 3-year re-inspection report and to provide a summary of 1) identified friable asbestos containing materials 2) and/or non-friable, with the potential to become, friable asbestos-containing materials at Malibu High School, located at 30215 Morning View Drive, Malibu, California.

The summary of asbestos-containing materials included in this report is based on information included in the most current AHERA 3-year re-inspection report prepared by Alta Environmental, (#SMSD-13-1320, dated June 11, 2013). This summary of asbestos-containing materials was prepared by Tina Jordan, a Certified Asbestos Consultant and EPA Accredited Building Inspector.

CONTENTS

REPORTED: November 14, 2013 **PROJECT NO.:** SMSD-13-3520

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

ATTENTION: Mr. Terry Kamibayashi

REF: Summary of Friable Asbestos-Containing Materials
Malibu High School
30215 Morning View Drive
Malibu, California

1 PROJECT SUMMARY

Alta Environmental was retained by the Santa Monica Unified School District to review the most current AHERA 3-year re-inspection report and provide a summary of 1) identified friable asbestos containing materials 2) and/or non-friable, with the potential to become, friable asbestos-containing materials at Malibu High School, located at 30215 Morning View Drive, Malibu, California.

From this review, Alta compiled a summary of ACMs. All information included in this report including locations, conditions, assessments etc. was derived from the AHERA 3-year re-inspection completed by Alta at the school on April 17 and 18, 2013.

Information presented in this report is limited to materials identified as either friable and/or non-friable with a potential to easily become friable if impacted. Friable materials are those which are easily broken, pulverized and reduced to powder by hand pressure.

Non-friable ACMs not likely to become friable such as floor tiles, roofing materials, cove base, transite panels etc. which are not easily broken, pulverized and reduced to powder by hand pressure are not included in this report.

1.1 Definitions

For ease of reference in this report, the following terms are defined below:

- ***AHERA:*** Asbestos Hazard Emergency Response Act (*Federal Register 40 CFR Part 763)*
- ***Asbestos:*** The asbestiform varieties of serpentine (chrysotile), riebeckite (crocidolite), cummingtonite-grunerite (amosite), anthophyllite, and actinolite or tremolite.
- **Asbestos-containing material/ACM:** Material composed of asbestos of any type and in an amount greater than 1.0% by weight, either alone or mixed with other fibrous or non-fibrous materials.
- **Positive**: Analytical results of the material indicate asbestos present in amounts greater than one percent asbestos by weight, analyzed using polarized light microscopy (PLM) 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.*

- **Negative**: Analytical results indicate that no asbestos was not detected, analyzed using polarized light microscopy (PLM) 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.*
- **Assumed ACM**: A suspect ACM material that has not been properly documented and/or sampled, in accordance with *AHERA regulation.*
- **Friable:** Material that when dry can be broken, crumbled, pulverized, or reduced to powder by hand pressure, and that contains more than 1% asbestos by area or by weight as determined by the procedure in "Methods of Analysis for Bulk Samples."
- **Non-Friable (with a potential to become friable)**: Non-friable ACM is a material that was observed to be in good condition and the time of the inspection which cannot be broken, crumbled, pulverized, or reduced to powder by hand pressure containing more than 1% asbestos by area or by weight or assumed ACM. This material can easily become friable if disturbed with impacts such as but not limited to coring, drilling, cutting etc, and normal wear and tear.

2 SUMMARY OF FRIABLE ACMS

Building A

Material	Material Location	Friability	Results	Condition/Assessment/Recommendation (Based on observations made in April 17 and 18 2013)
Pipe fitting insulation on canvas wrap	Ground floor above ceilings	Friable	Positive	Good Condition Avoid impacting the material. Worker training, personal protection and engineering controls shall be used if impacts are necessary including operations and maintenance.
Wall tile (smooth) & glue	Room 821, west wall	Friable	Assumed ACM	Good Condition Avoid impacting the material. Conduct proper sampling and analysis prior to disturbances. Worker training, personal protection and engineering controls shall be used if impacts are necessary including operations and maintenance.
2x4 fissured ceiling panel	Room 800, 802, 800A	Friable	Assumed ACM	Good Condition Conduct proper sampling and analysis prior to

Material	Material Location	Friability	Results	Condition/Assessment/Recommendation (Based on observations made in April 17 and 18 2013)
				disturbances. Avoid impacting the material. Worker training, personal protection and engineering controls shall be used if impacts are necessary including operations and maintenance.
Rough plaster	Rooms 800, 800A, B, C, 802, 820, 821, 822, halls, offices, book room	Non-Friable (with potential to become friable)	Assumed ACM	Good condition. Assessed as non-friable with a potential to become friable if impacted. Conduct proper sampling and analysis prior to disturbances. Avoid impacting the material. Worker training, personal protection and engineering controls shall be used if impacts are necessary including operations and maintenance.
Exterior stucco	Exterior walls & walkway ceilings	Non-Friable (with potential to become friable)	Positive	Good condition. Assessed as non-friable with a potential to become friable if impacted. Avoid impacting the material. Worker training, personal protection and engineering controls shall be used if impacts are necessary including operations and maintenance.
Drywall/drywall mud	Ground floor ceiling & hallway, 822, 821, 820, Office, Book Room 1st Floor Office	Non-Friable (with potential to become friable)	Assumed ACM	Good condition. Assessed as non-friable with a potential to become friable if impacted. Conduct proper sampling and analysis prior to disturbances. Avoid impacting the material. Worker training, personal protection and engineering controls shall be used if impacts are necessary including operations and

Material	Material Location	Friability	Results	Condition/Assessment/Recommendation (Based on observations made in April 17 and 18 2013)
				maintenance.

Building B & C

Material	Material Location	Friability	Results	Condition/Recommendation (Based on observations made in April 17 and 18 2013)
Pipe fitting insulation	Above suspended ceilings	Friable	Positive	Good condition. Avoid impacting the material. Worker training, personal protection and engineering controls shall be used if impacts are necessary including operations and maintenance.
2x4 fissured ceiling panel	Room 907, restrooms, 909, 910	Friable	Assumed ACM	Good condition. Conduct proper sampling and analysis prior to disturbances. Avoid impacting the material. Worker training, personal protection and engineering controls shall be used if impacts are necessary including operations and maintenance.
Rough plaster	900, 900A-C, 904, 905, 901, 902, Custodial Room, 906, 907 (1&2), 908, 908A-F, 900, 900A-C, 909, 910, 911, 912, 912A-E	Non-Friable (with potential to become friable)	Assumed ACM	Good condition. Assessed as non-friable with a potential to become friable if impacted. Conduct proper sampling and analysis prior to disturbances Avoid impacting the material. Worker training, personal protection and engineering controls shall be used if impacts are necessary including operations and maintenance.
Exterior stucco	Exterior walls and portico	Non-Friable (with potential	Positive	Good condition.

Material	Material Location	Friability	Results	Condition/Recommendation (Based on observations made in April 17 and 18 2013)
		to become friable)		Assessed as non-friable with a potential to become friable if impacted. Avoid impacting the material. Worker training, personal protection and engineering controls shall be used if impacts are necessary including operations and maintenance.
Drywall/drywall joint compound	Throughout above suspended ceilings except mechanical, 901, 902	Non-Friable (with potential to become friable)	Positive	Good condition. Assessed as non-friable with a potential to become friable if impacted. Avoid impacting the material. Worker training, personal protection and engineering controls shall be used if impacts are necessary including operations and maintenance.

Building D

Material	Material Location	Friability	Results	Condition/Assessment/Recommendation (Based on observations made in April 17 and 18 2013)
Pipe fitting insulation	Mechanical, Custodial Room & 1st floor above ceiling	Friable	Positive	Good condition. Avoid impacting the material. Worker training, personal protection and engineering controls shall be used if impacts are necessary including operations and maintenance.
2x4 fissured ceiling panel	120, Conf Room, 101A & 101A storage, 102, 104, 106, MRR entry, 105, 213, 200-201, 204, 206, 208, 210, 212, 203-205, 207, 209, 215, 103, 106, 211, 209, 208, 210, 205, 203, 204, 206, 202 & entry hall, 207	Friable	Assumed ACM	Good condition. Conduct proper sampling and analysis prior to disturbances. Avoid impacting the material. Worker training, personal protection and engineering controls shall be used if impacts are necessary including operations and maintenance.
Rough wall plaster	Mechanical, 110 RR, custodian, electrical 114, 116RR, 111 girls RR103, 105, 106, 106A104, 104A212, 213, 211, 200-203, 206-206, 209, 207, 204, 210	Non-Friable (with potential to become friable)	Assumed ACM	Good condition. Assessed as non-friable with a potential to become friable if impacted. Conduct proper sampling and analysis prior to disturbances Avoid impacting the material. Worker training, personal protection and engineering controls shall be used if impacts are necessary including operations and maintenance.
Exterior stucco	Exterior walls & walkway ceilings	Non-Friable (with potential to become friable)	Positive	Good condition. Assessed as non-friable with a potential to become friable if impacted. Avoid impacting the material. Worker training, personal protection and engineering controls shall be used if impacts are necessary including operations and

Material	Material Location	Friability	Results	Condition/Assessment/Recommendation (Based on observations made in April 17 and 18 2013)
				maintenance.
Drywall joint compound	Above 12" peg hole ceiling tiles, stairwells, hall, 216, Boys RR, 111, 101B, Conf Room north & east walls, 101A Storage	Non-Friable (with potential to become friable)	Assumed ACM	Good condition. Assessed as non-friable with a potential to become friable if impacted. Conduct proper sampling and analysis prior to disturbances. Avoid impacting the material. Worker training, personal protection and engineering controls shall be used if impacts are necessary including operations and maintenance.
12" peghole ceiling tile	Stairwells, hall, 216, Boys RR, 111, 101B, Conf Room north & east walls, 101A Storage	Non-Friable (with potential to become friable)	Assumed	Good condition. Assessed as non-friable with a potential to become friable if impacted. Conduct proper sampling and analysis prior to disturbances. Avoid impacting the material. Worker training, personal protection and engineering controls shall be used if impacts are necessary including operations and maintenance

Building E

Material	Material Location	Friability	Results	Condition/Assessment/Recommendation (Based on observations made in April 17 and 18 2013)
Pipe elbow insulation	Above ceiling along soffits & RRs	Friable	Positive	Good condition. Avoid impacting the material. Worker training, personal protection and engineering controls shall be used if impacts are necessary including operations and maintenance.
Rough wall plaster and ceilings	Room 1-10, 14, 16	Non-Friable (with potential to become friable)	Assumed ACM	Good condition. Assessed as non-friable with a potential to become friable if impacted. Conduct proper sampling and analysis prior to disturbances. Avoid impacting the material. Worker training, personal protection and engineering controls shall be used if impacts are necessary including operations and maintenance.
Exterior stucco	Exterior walls & walkway ceilings	Non-Friable (with potential to become friable)	Assumed ACM	Good condition. Assessed as non-friable with a potential to become friable if impacted. Conduct proper sampling and analysis prior to disturbances. Avoid impacting the material. Worker training, personal protection and engineering controls shall be used if impacts are necessary including operations and maintenance
Drywall joint compound	Perimeter walls above soffit ceiling	Non-Friable (with potential to become friable)	Assumed ACM	Good condition. Assessed as non-friable with a potential to become friable if impacted. Conduct proper sampling and analysis prior to

Material	Material Location	Friability	Results	Condition/Assessment/Recommendation (Based on observations made in April 17 and 18 2013)
				disturbances. Avoid impacting the material. Worker training, personal protection and engineering controls shall be used if impacts are necessary including operations and maintenance.

Building F

Material	Material Location	Friability	Results	Condition/Assessment/Recommendation (Based on observations made in April 17 and 18 2013)
Pipe fitting insulation magnesia	Mechanical above 301E, 301A-D	Friable	Positive	Good condition. Avoid impacting the material. Worker training, personal protection and engineering controls shall be used if impacts are necessary including operations and maintenance.
2x4 fissured ceiling panel	Room 301	Friable	Assumed ACM	Good condition. Conduct proper sampling and analysis prior to disturbances. Avoid impacting the material. Worker training, personal protection and engineering controls shall be used if impacts are necessary including operations and maintenance.
Wall & ceiling plaster	Choral storages, 301-303, practice rooms	Non-Friable (with potential to become friable)	Assumed ACM	Good condition. Assessed as non-friable with a potential to become friable if impacted. Conduct proper sampling and analysis prior to disturbances. Avoid impacting the material. Worker training, personal protection and engineering controls shall be used if impacts are necessary including operations and maintenance.
Smooth exterior stucco	Exterior walls	Non-Friable (with potential to become friable)	Positive	Good condition. Assessed as non-friable with a potential to become friable if impacted. . Conduct proper sampling and analysis prior to disturbances. Avoid impacting the material. Worker training, personal

Material	Material Location	Friability	Results	Condition/Assessment/Recommendation (Based on observations made in April 17 and 18 2013)
				protection and engineering controls shall be used if impacts are necessary including operations and maintenance
Rough Exterior stucco	Exterior walls	Non-Friable (with potential to become friable)	Positive	Good condition. Current assess as non-friable with a potential to become friable if impacted. Avoid impacting the material. Worker training, personal protection and engineering controls shall be used if impacts are necessary including operations and maintenance.
12" pinhole ceiling tile	303	Non-Friable (with potential to become friable)	Assumed ACM	Good condition. Assessed as non-friable with a potential to become friable if impacted. Conduct proper sampling and analysis prior to disturbances. Avoid impacting the material. Worker training, personal protection and engineering controls shall be used if impacts are necessary including operations and maintenance.
Drywall joint compound	Mechanical above 301E	Non-Friable (with potential to become friable)	Positive	Good condition. Current assess as non-friable with a potential to become friable if impacted. Avoid impacting the material. Worker training, personal protection and engineering controls shall be used if impacts are necessary including operations and maintenance. Conduct proper sampling and analysis
1x2 smooth ceiling tile	301A-D, 301 at entry	Non-Friable (with potential to become friable)	Assumed ACM	Good condition. Assessed as non-friable with a potential to become friable if impacted. Conduct proper sampling and analysis prior to

Material	Material Location	Friability	Results	Condition/Assessment/Recommendation (Based on observations made in April 17 and 18 2013)
				disturbances. Avoid impacting the material. Worker training, personal protection and engineering controls shall be used if impacts are necessary including operations and maintenance.

Building G

Material	Material Location	Friability	Results	Condition/Assessment/Recommendation (Based on observations made in April 17 and 18 2013)
Kiln insulation	Kiln room 504	Friable	Assumed ACM	Good condition. Avoid impacting the material. Worker training, personal protection and engineering controls shall be used if impacts are necessary including operations and maintenance. Conduct proper sampling and analysis prior to disturbances
Wall plaster-rough	RRs, custodial, 506D, electrical, 507-509	Non-Friable (with potential to become friable)	Assumed ACM	Good condition. Assessed as non-friable with a potential to become friable if impacted. Conduct proper sampling and analysis prior to disturbances. Avoid impacting the material. Worker training, personal protection and engineering controls shall be used if impacts are necessary including operations and maintenance
Exterior stucco	Exterior walls & walkway ceilings	Non-Friable (with potential to become friable)	Positive	Good condition. Assessed as non-friable with a potential to become friable if impacted. Avoid impacting the material. Worker training, personal protection and engineering controls shall be used if impacts are necessary including operations and maintenance.
TSI Elbow	Rooms 505A, 506, 506D	Non-Friable (with potential to become friable)	Positive	Good condition. Assessed as non-friable with a potential to become friable if impacted. Avoid impacting the material. Worker training, personal protection and engineering controls shall be used if impacts are necessary including operations and

Material	Material Location	Friability	Results	Condition/Assessment/Recommendation (Based on observations made in April 17 and 18 2013)
				maintenance.
Drywall joint compound	500, 500A-B, 501, 501A, 502; dividing walls504, 504A-B, 505	Non-Friable (with potential to become friable)	Assumed ACM	Good condition. Assessed as non-friable with a potential to become friable if impacted. Conduct proper sampling and analysis prior to disturbances. Avoid impacting the material. Worker training, personal protection and engineering controls shall be used if impacts are necessary including operations and maintenance.

Building H

Material	Material Location	Friability	Results	Condition/Assessment/Recommendation (based on observations made in April 2013)
Pipe fitting on canvas wrap	Attic space-NW & crawlspace	Friable	Positive	Good condition. Avoid impacting the material. Worker training, personal protection and engineering controls shall be used if impacts are necessary including operations and maintenance.
Flex connectors	Crawlspace-not observed but assumed present	Friable	Assumed ACM	Good condition. Conduct proper sampling and analysis prior to disturbances. Avoid impacting the material. Worker training, personal protection and engineering controls shall be used if impacts are necessary including operations and maintenance.
Rough plaster	605A, 606 RRs, 606, kitchen, 605B, electrical 602 & 603, SE mechanical, auditorium, store room 1&2	Non-Friable (with potential to become friable)	Positive	Good condition. Assessed as non-friable with a potential to become friable if impacted. Avoid impacting the material. Worker training, personal protection and engineering controls shall be used if impacts are necessary including operations and maintenance.
Drywall joint compound	Storage 2, SE alcove, sound room, ticket room, 601, West entrance, Storage 3	Non-Friable (with potential to become friable)	Assumed ACM	Good condition. Assessed as non-friable with a potential to become friable if impacted. Conduct proper sampling and analysis prior to disturbances. Avoid impacting the material. Worker training, personal protection and engineering controls shall be used if impacts are necessary including operations and maintenance..

Material	Material Location	Friability	Results	Condition/Assessment/Recommendation (based on observations made in April 2013)
Exterior stucco	Storage 1& 2, covered eating area	Non-Friable (with potential to become friable)	Assumed ACM	Good condition. Assessed as non-friable with a potential to become friable if impacted. Conduct proper sampling and analysis prior to disturbances. Avoid impacting the material. Worker training, personal protection and engineering controls shall be used if impacts are necessary including operations and maintenance.

Building I

Material	Material Location	Friability	Results	Condition/Assessment/Recommendation (based on observations made in April 2013)
2x4 fissured ceiling panel	402, 402A	Friable	Assumed ACM	Good condition. Conduct proper sampling and analysis prior to disturbances. Avoid impacting the material. Worker training, personal protection and engineering controls shall be used if impacts are necessary including operations and maintenance.
Rough wall plaster	401, 402, electrical, dark room, 401A	Non-Friable (with potential to become friable)	Assumed ACM	Good condition. Assessed as non-friable with a potential to become friable if impacted. Conduct proper sampling and analysis prior to disturbances. Avoid impacting the material. Worker training, personal protection and engineering controls shall be used if impacts are necessary including operations and maintenance.
Exterior stucco	All exterior walls	Non-Friable (with potential to become friable)	Assumed ACM	Good condition. Assessed as non-friable with a potential to become friable if impacted. Conduct proper sampling and analysis prior to disturbances. Avoid impacting the material. Worker training, personal protection and engineering controls shall be used if impacts are necessary including operations and maintenance..
Drywall joint compound	401A west wall, 402A	Non-Friable (with potential to become friable)	Assumed ACM	Good condition. Conduct proper sampling and analysis prior to disturbances Assessed as non-friable with a potential to become

Material	Material Location	Friability	Results	Condition/Assessment/Recommendation (based on observations made in April 2013)
				friable if impacted. Avoid impacting the material. Worker training, personal protection and engineering controls shall be used if impacts are necessary including operations and maintenance.

Building J

Material	Material Location	Friability	Results	Condition/Assessment/Recommendation (based on observations made in April 2013)
Pipe insulation-magnesia	Roof access room & Storage 4	Friable	Positive	Good condition. Avoid impacting the material. Worker training, personal protection and engineering controls shall be used if impacts are necessary including operations and maintenance.
Pipe elbow insulation	Storage 4	Friable	Positive	Good condition. Avoid impacting the material. Worker training, personal protection and engineering controls shall be used if impacts are necessary including operations and maintenance.
Rough wall plaster	Boys Office 722, Custodial, Mechanical 714, 707B, 707A, office 705, Girls Office, Boys & Girls Locker Rooms	Non-Friable (with potential to become friable)	Assumed ACM	Good condition. Assessed as non-friable with a potential to become friable if impacted. Conduct proper sampling and analysis prior to disturbances Avoid impacting the material. Worker training, personal protection and engineering controls shall be used if impacts are necessary including operations and maintenance.
Smooth plaster	721A Restroom, 721, 720 Boys rRestrooms, 706, Storage 4	Non-Friable (with potential to become friable)	Assumed ACM	Good condition. Assessed as non-friable with a potential to become friable if impacted. Conduct proper sampling and analysis prior to disturbances. Avoid impacting the material. Worker training, personal protection and engineering controls shall be used if impacts are necessary including operations and maintenance.

Material	Material Location	Friability	Results	Condition/Assessment/Recommendation (based on observations made in April 2013)
Exterior stucco	All exterior walls & overhang ceilings	Non-Friable (with potential to become friable)	Positive	Good condition. Assessed as non-friable with a potential to become friable if impacted. Avoid impacting the material. Worker training, personal protection and engineering controls shall be used if impacts are necessary including operations and maintenance.
Drywall joint compound	720, 721, 707A, 706A restroom, 706 weight room, girls locker, team room, 702, SE room	Non-Friable (with potential to become friable)	Assumed ACM	Good condition. Assessed as non-friable with a potential to become friable if impacted. Conduct proper sampling and analysis prior to disturbances. Avoid impacting the material. Worker training, personal protection and engineering controls shall be used if impacts are necessary including operations and maintenance.

3 RECOMMENDATIONS

Identified (confirmed or assumed) ACMs should be monitored and maintained as part of the Malibu High School Asbestos Management Program until renovation or demolition activities require removal or until the hazard potential changes and requires abatement.

At the time of the inspection, the identified materials were observed to be in good condition. At a minimum, the materials should be periodically monitored every 6 months by a qualified and trained individual to observe material condition and document any changes in condition and/or potential for disturbance. The materials should be assessed by an EPA Accredited buildings inspector every 3 years as required by the AHERA regulations.

ACMs should not be impacted and should be maintained in good condition. If impact becomes necessary, contact the District Asbestos Designated Person for information on how to properly proceed.

Remove or repair these items when necessitated by changes in condition or when practical and cost-effective. Abatement should be designed by an EPA-accredited Project Designer.

4 ASSUMPTIONS AND LIMITATIONS

This report was prepared exclusively for use by 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.

Appendix A

Building Maps

ALTA ENVIRONMENTAL

Sheet 1 of ____

Project Name Malibu H.S.

Project No./Task No. ____

Calculated by C. Jordan Date 11-11-13

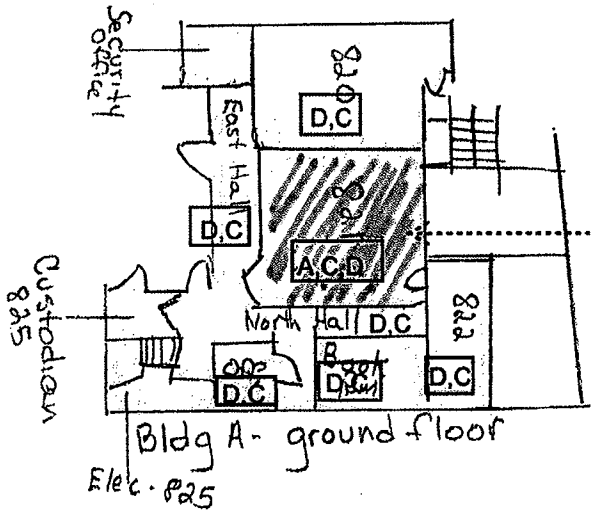
Scale NTS

Checked by ____ Date ____

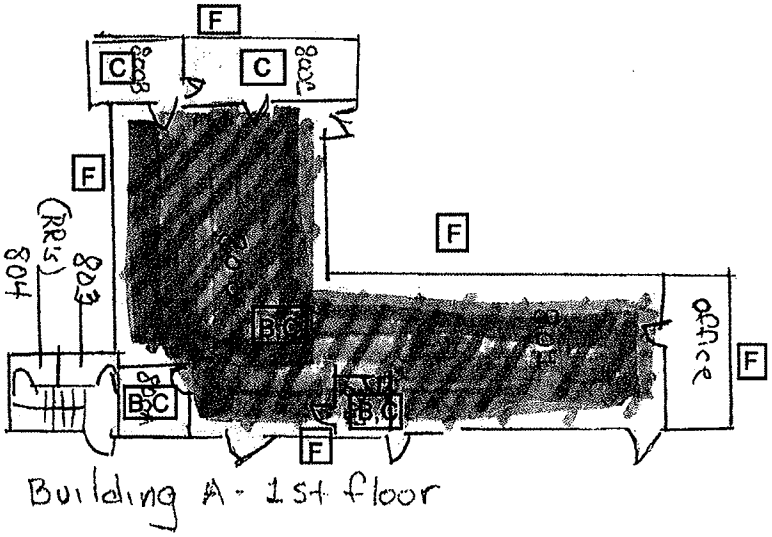
Bldg A

N

A) wall tile (smooth) and glue-assumed
B) 2X4 fissured ceiling panel Assumed
C) Rough Plaster-assumed
D) Drywall with mud-assumed
E) Pipe fitting insulation on canvas wrap-positive
F) Exterior stucco-positive



E-located above ceiling space in all of the ground floor



ALTA ENVIRONMENTAL

Sheet 2 of ____

Project Name Mahlon H...

Project No./Task No. ____

Calculated by ... Date ...

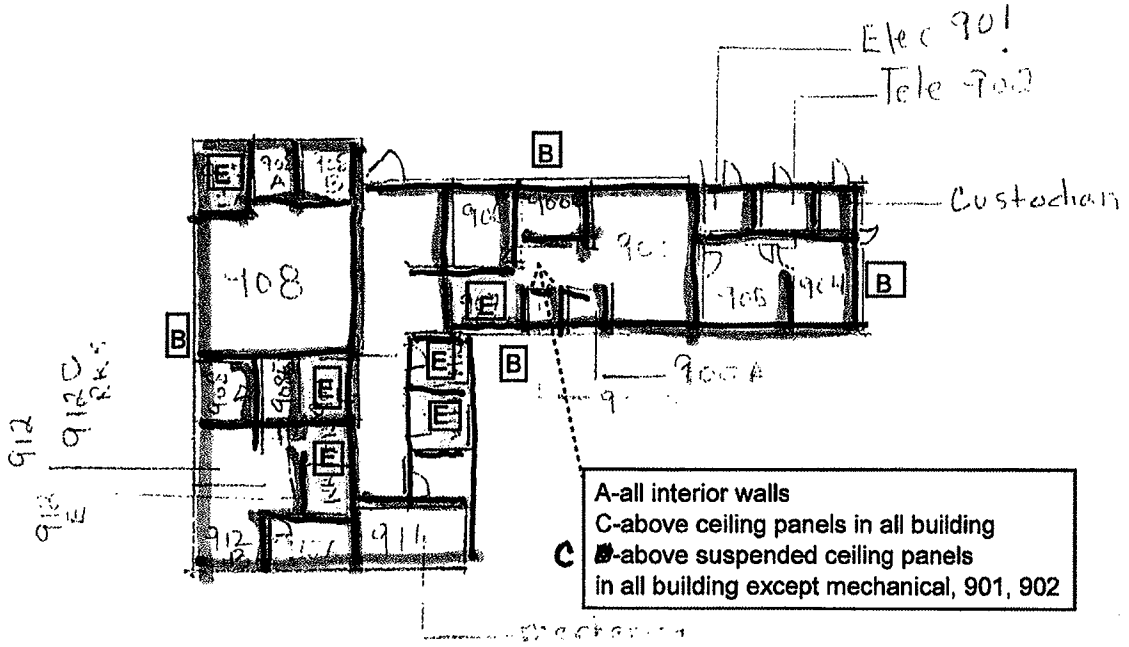
Scale NTS

Checked by ____ Date ____

Building B + C

N

A) [redacted]
B) Exterior stucco-positive
C) Pipe fitting insulation-positive
D) [redacted]
E) 2X4 fissured ceiling panel-assumed



ALTA ENVIRONMENTAL

Sheet 3 of ____

Project Name Malibu H.S.

Project No./Task No. ____

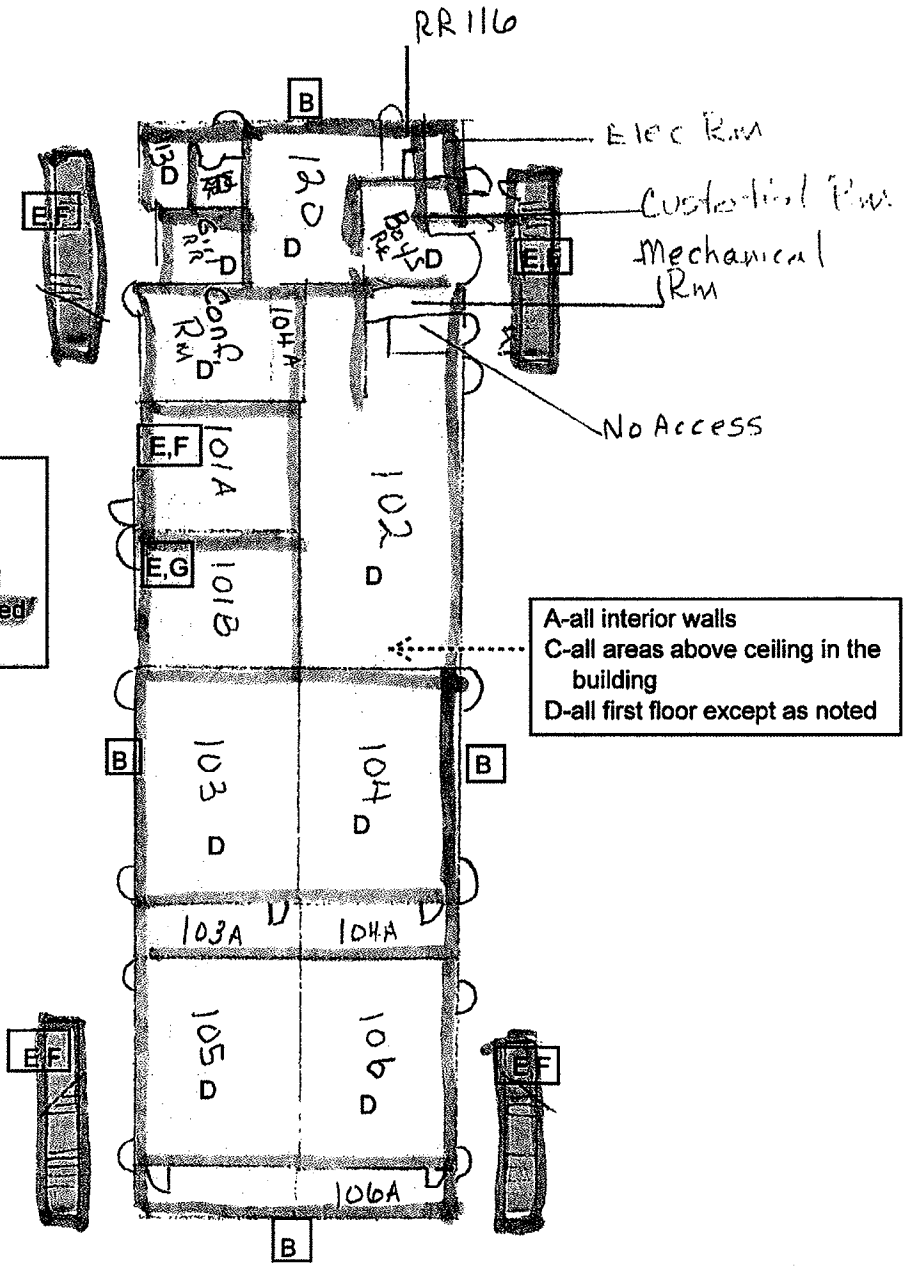
Calculated by C Jordan Date 11/11/13

Scale NTS

Checked by ____ Date ____

N

Building D
1st floor



A) Rough wall plaster-assumed
B) Exterior stucco-positive
C) Pipe fitting insulation-positive
D) 2X4 fissured ceiling panel-assumed
E) Drywall with joint compound-assumed
F) Peghole ceiling tile-assumed

A-all interior walls
C-all areas above ceiling in the building
D-all first floor except as noted

ALTA ENVIRONMENTAL

Sheet 4 of ____

Project Name Malibu H.S.

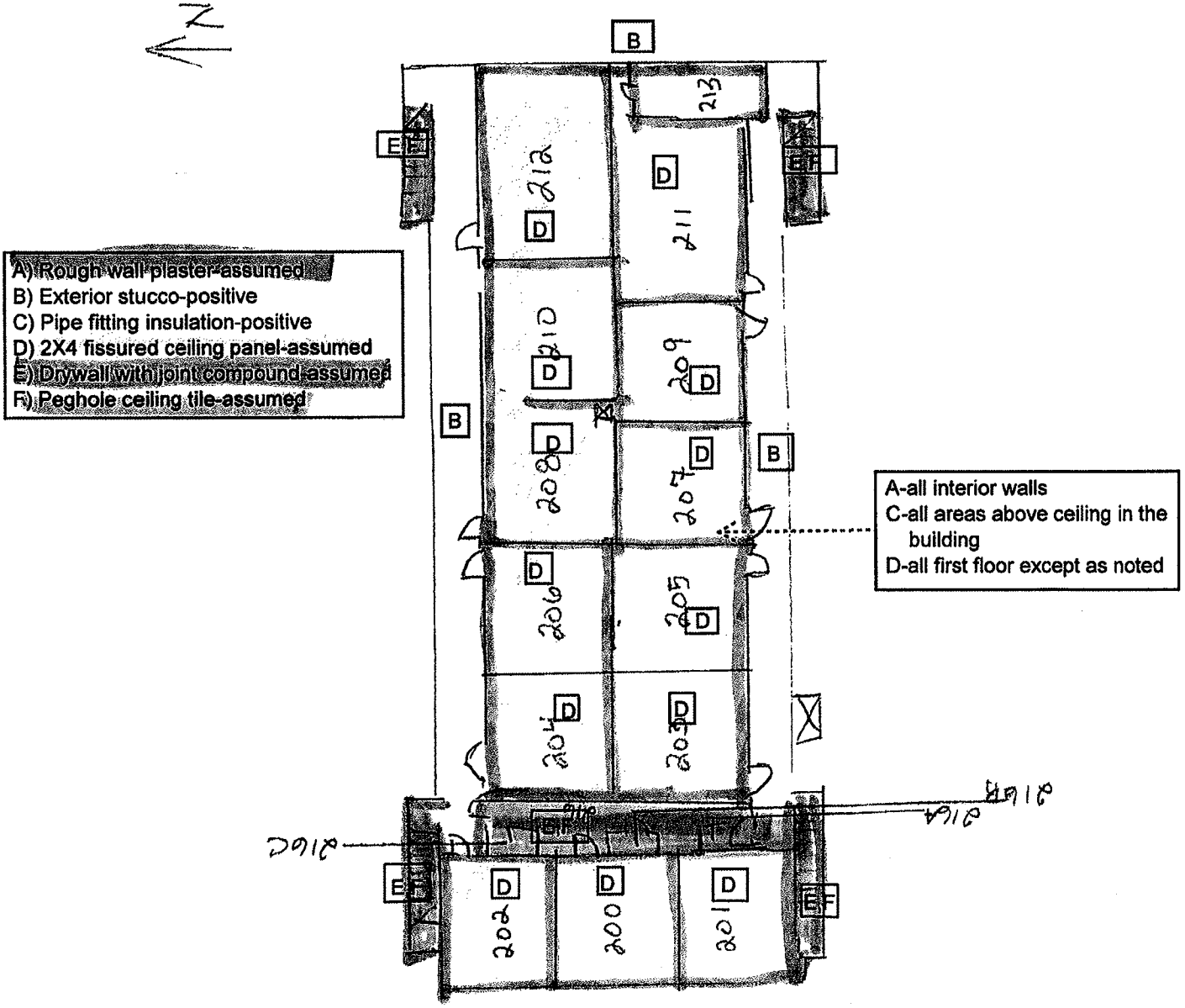
Project No./Task No. ____

Calculated by C Jordan Date 11/11/13

Scale NTS

Checked by ____ Date ____

Building D
2nd floor



ALTA ENVIRONMENTAL

Sheet 5 of ____

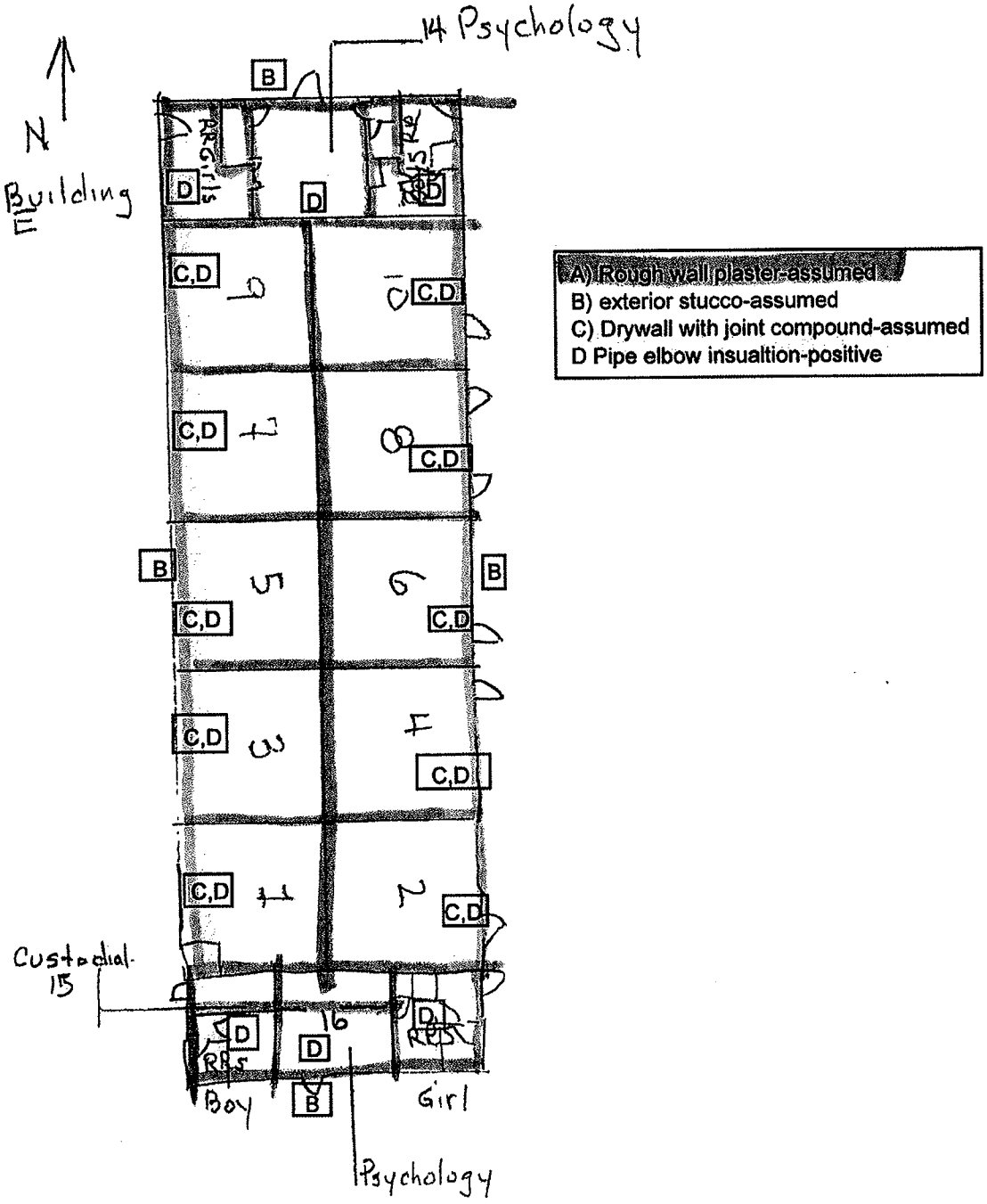
Project Name Malibu H.S.

Project No./Task No. ____

Calculated by C. Jordan Date 11/1/13

Scale NTS

Checked by ____ Date ____



(A) Rough wall plaster-assumed
B) exterior stucco-assumed
C) Drywall with joint compound-assumed
D Pipe elbow insualtion-positive

ALTA ENVIRONMENTAL

Sheet 6 of ____

Project Name Malibu H.S.

Project No./Task No. ____

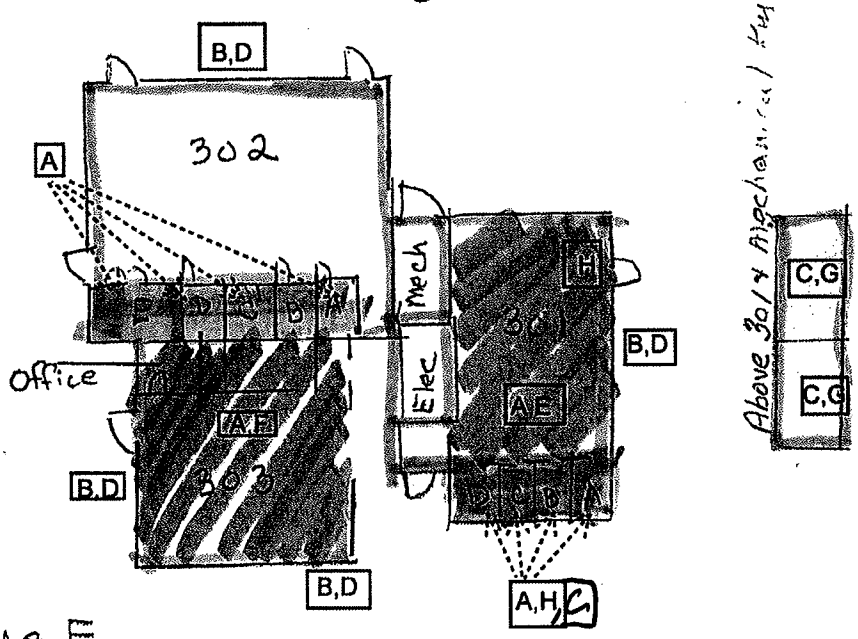
Calculated by C Jordan Date 11/11/13

Scale NTS

Checked by ____ Date ____

A) Wall and ceiling plaster-assumed
B) smooth exterior stucco-positive
C) pipe fitting insulation (manesia)-positive
D)Rough exterior stucco-positive
E) 2X4 fissured ceiling panel-assumed
F) 12" pinhole ceiling tile-assumed
G) Drywall with joint compound-positive
H) 1X2 smooth ceiling tile-assumed

C-



Building F

N

ALTA ENVIRONMENTAL

Sheet 7 of ____

Project Name Malibu H.S.

Project No./Task No. ____

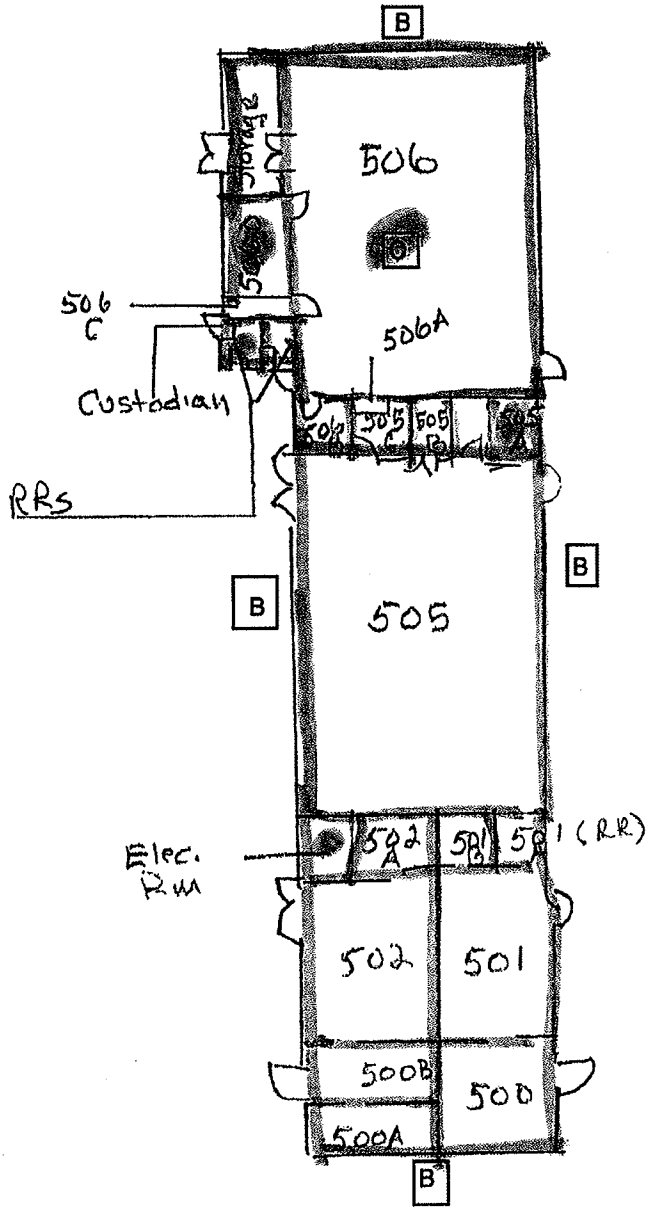
Calculated by C Jordan Date 11/11/13

Scale NTS

Checked by ____ Date ____

N

Building G



A) Wall plaster-rough-assumed
B) Exterior stucco-positive
C) TSI elbow-positive
D) Drywall joint compound-assumed
E) Kiln insulation-assumed

ALTA ENVIRONMENTAL

Sheet 8 of ____

Project Name Malibu H.S.

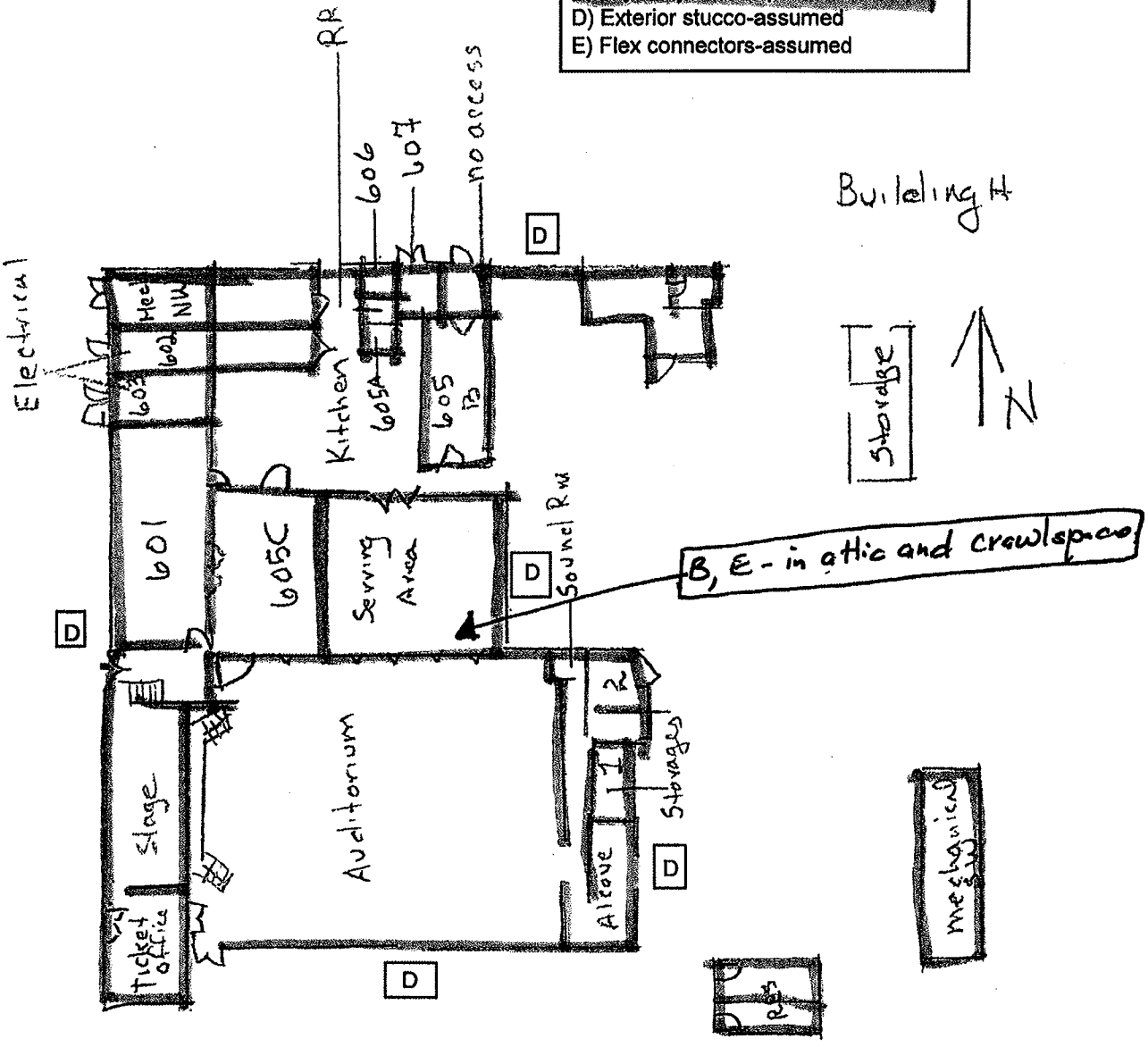
Project No./Task No. ____

Calculated by C. Jovalen Date 11/11/13

Scale NTS

Checked by ____ Date ____

A) Rough plaster-positive
B) Pipe fitting on canvas wrap-positive
C) Drywall joint compound-assumed
D) Exterior stucco-assumed
E) Flex connectors-assumed



ALTA ENVIRONMENTAL

Sheet 9 of ____

Project Name Malibu H.S.

Project No./Task No. ____

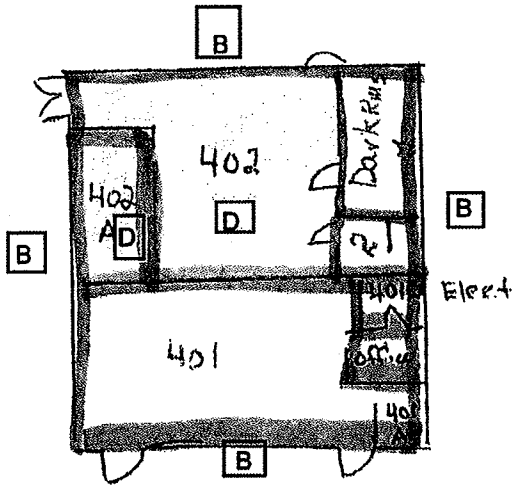
Calculated by C. Jorckus Date 11/11/13

Scale NTS

Checked by ____ Date ____

N

Building I



A) Rough wall plaster-assumed
B) Exterior stucco-assumed
C) Drywall joint compound-assumed
D 2X4 fissured ceiling panel-assumed

ALTA ENVIRONMENTAL

Sheet 10 of ____

Project Name Malibu H.S.

Project No./Task No. ____

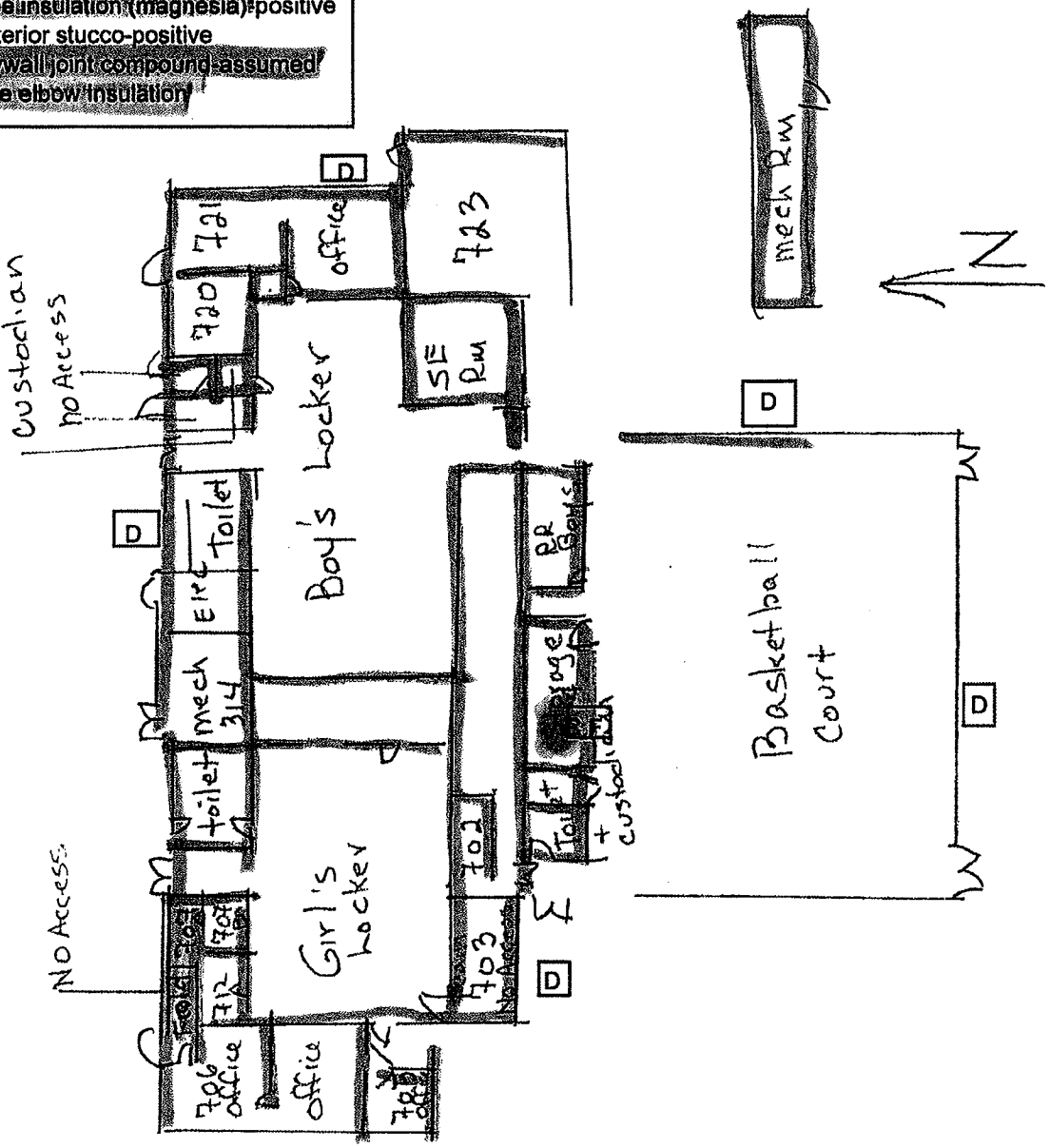
Calculated by ____ Date 11/11/13

Scale NTS

Checked by ____ Date ____

Building 7

A) Rough wall plaster-assumed
B) Smooth plaster-assumed
C) Pipe insulation (magnesia)-positive
D) Exterior stucco-positive
E) Drywall joint compound-assumed
F) Pipe elbow insulation



Maez, Jan

From: Kamibayashi, Terry
Sent: Monday, November 25, 2013 7:23 AM
To: Maez, Jan; Mark Katchen
Cc: Lyon, Sandra
Subject: RE: Malibu High Report

You are right this is a summary with non asbestos items removed. The request was specific to Malibu High but I can request the same for Cabrillo if directed to.

From: Maez, Jan
Sent: Sunday, November 24, 2013 7:28 PM
To: Kamibayashi, Terry; Mark Katchen
Cc: Lyon, Sandra
Subject: RE: Malibu High Report

Terry,

This isn't really a revision (what you called it below) to their report - didn't we ask them to summarize their findings - and this is what they produced. I copied the Executive Summary in the report

From Alta Executive Summary page:

> *"Alta Environmental was retained by the Santa Monica Unified School District to review the most current AHERA 3-year re-inspection report and to provide a summary of 1) identified friable asbestos containing materials 2) and/or non-friable, with the potential to become, friable asbestos-containing materials at Malibu*
> *High School, located at 30215 Morning View Drive, Malibu, California.*
> *The summary of asbestos-containing materials included in this report is based on information included in the most current AHERA 3-year re-inspection report prepared by Alta Environmental, (#SMSD-13-1320, dated June 11, 2013). This summary of asbestos-containing materials was prepared by Tina Jordan, a Certified Asbestos Consultant and EPA Accredited Building Inspector."*

I couldn't find that we had posted to the web site - should we? And did they do the same for Cabrillo?

Janece L. Maez
Associate Superintendent Business and Fiscal Services
Chief Financial Officer
1651 16th Street
Santa Monica, CA 93404
310-450-8338 ext.268
310-581-6720 fax

From: Kamibayashi, Terry
Sent: Friday, November 15, 2013 12:57 PM
To: Mark Katchen; Lyon, Sandra; Maez, Jan
Subject: FW: Malibu High Report

Malibu High School AHERA revisions as requested by Task Force

From: Cesar Ruvalcaba [mailto:cesar.ruvalcaba@altaenviron.com]
Sent: Friday, November 15, 2013 12:13 PM
To: Kamibayashi, Terry
Cc: David Schack
Subject: RE: Malibu High Report

Terry,
Attached is the report. please let us know if you have any questions.

Regards,

CESAR RUVALCABA, CAC, CDPH-IA,PM
PROJECT MANAGER

ALTA ENVIRONMENTAL

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

From: Kamibayashi, Terry [mailto:tkamibayashi@smmusd.org]
Sent: Thursday, November 14, 2013 5:26 PM
To: Cesar Ruvalcaba
Subject: RE: Malibu High Report-Draft

Looks good please finalize

From: Cesar Ruvalcaba [mailto:cesar.ruvalcaba@altaenviron.com]
Sent: Thursday, November 14, 2013 3:11 PM
To: Kamibayashi, Terry
Subject: Malibu High Report-Draft

For your review and comments. if approved, we will finalized and send as final.

Let me know if you have any comments.

CESAR RUVALCABA, CAC, CDPH-IA,PM
PROJECT MANAGER

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cesar.ruvalcaba@altaenviron.com | www.altaenviron.com

Maez, Jan

From: Kamibayashi, Terry
Sent: Monday, November 25, 2013 10:35 AM
To: Maez, Jan; Mark Katchen
Cc: Lyon, Sandra
Subject: RE: Malibu High Report

I have just spoken with Cesar with Alta and he is going to work with ATC to update our AHERA for Malibu High The survey provided by ATC for the BB Project can be used to update areas of assumed 1 and 2 and also show where known Asbestos was removed. This is taking place immediately and I will have an updated report soon.

From: Maez, Jan
Sent: Sunday, November 24, 2013 7:28 PM
To: Kamibayashi, Terry; Mark Katchen
Cc: Lyon, Sandra
Subject: RE: Malibu High Report

Terry,

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Regards,

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Subject: Malibu High Report-Draft

For your review and comments. if approved, we will finalized and send as final.

Let me know if you have any comments.

CESAR RUVALCABA, CAC, CDPH-IA,PM
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cesar.ruvalcaba@altaenviron.com | www.altaenviron.com

Maez, Jan

From: Mark Katchen <mkatchen@phylmar.com>
Sent: Thursday, December 05, 2013 12:14 PM
To: Lyon, Sandra
Cc: Maez, Jan
Subject: Possible Candidate for Environmental Program Director

Sandy, I came across Joe Haley when searching for school districts that had successfully implemented the EPA IAQ tools for schools program. He has a very interesting background and currently is Director of Administration for the Visalia School District. Here is his bio:

As Director of Administrative Services, **Mr. Haley** has managed the Maintenance Department since January of 2005. He graduated from Mt. Whitney High School in 1977 and later graduated from Fresno State University with a B.S. in Environmental/Industrial Hygiene in 1994. He went on to pursue a Masters Degree in Environmental Science from Fresno State University and graduated in 2005.

Mark
Mark Katchen, CIH
Managing Principal
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310-446-1826 (fax)
www.phylmar.com
Empowering Communities of Environmental Health and Safety/Sustainability Professionals
Phylmar Group Environmental Health & Safety Social Responsibility

Maez, Jan

From: Mark Katchen <mkatchen@phylmar.com>
Sent: Tuesday, December 17, 2013 6:11 PM
To: Lyon, Sandra
Cc: Maez, Jan
Subject: RE: Baseline air quality test

Sandy, I reviewed the documents and have a few questions. I'll contact Jan Wednesday morning to discuss.

Mark

Mark Katchen, CIH
Managing Principal
The Phylmar Group, Inc.
310-474-3937
310-446-1826 (fax)
www.phylmar.com
Empowering Communities of Environmental Health and Safety/Sustainability Professionals
Phylmar Group Environmental Health & Safety Social Responsibility

---

From: Lyon, Sandra [mailto:slyon@smmusd.org]
Sent: Tuesday, December 17, 2013 5:13 PM
To: Mark Katchen
Subject: FW: Baseline air quality test
Importance: High

Can you take a look at this and let us know if this looks like a reasonable protocol? Please call me and I can fill you in.
Thanks,
Sandy

Sandra Lyon
Superintendent
Santa Monica-Malibu Unified School District
1651 Sixteenth St.
Santa Monica, CA 90404
Tel: 310.450.8338 X 70241
FAX: 310.581.1138
www.smmusd.org

From: Sam, Stuart
Sent: Tuesday, December 17, 2013 4:02 PM
To: Bradbury, Gary
Cc: Orum, Lori; Maez, Jan; Lyon, Sandra
Subject: Baseline air quality test
Importance: High

Gary,

Please review the attached Draft: Air quality procedure; IAQ survey from ATC, our current HAZMAT survey consultants; and Dr. Craig, Parson environmental consultant/PM (former Lincoln/Samohi Parent)

FIP Recommended action:
Step One: BB will conduct Baseline test prior to the move in on all newly and constructed completed buildings prior to move in. The intent is to establish a baseline the spaces have low/free of VOC as a result of current specifications; Baseline will help to serve as a reference as prior to moving items into the premises such as books, papers etc. We can determine we commenced with good quality interior air; validate and confirm low/free of VOC has been accomplished; determine if the contractor has violated any procedures such as undocumented cleaning chemicals; this would become applicable to Samohi, Olympic, Lincoln; and Malibu projects.

Step two: Edison/Samohi, as we would also be conducting the second step for the Ultra Fine Particulate Matter associated to the I-10; this step will be an approximate 1 year process;)process and criteria is still in process

Step Three: Edison/Samohi will also need periodical testing during Demolition to insure air quality compliance in rooms. Yet to be determined until District/Task force directs district if further abate procedures are determined.

Proposal for survey is still in review as Dr. Craig is reviewing the cost and required testing staff requirements; she believes it might be reduced

FIP is requesting action to proceed on step one, moving process has started last week end and classrooms/teachers and planned for this week end. We need to have undisturbed air sampling for VOC (8 hours) during normal teaching period.
Protocols will be based upon the thresholds for teachers not OSHA requirements. See IAQ survey proposal.

Need input as schedule for testing needs to occur no later than thurs/Friday testing agency needs to know no later than tomorrow morning. We have rushed this as quickly as we can. Please advise.

We should have legal/environmental consultants review for general conformance.

Stuart A. Sam, Campus Architect

Director Facilities Improvement Projects
Stuart A. Sam, Campus Architect

****New contact information*****

Santa Monica Malibu Unified School District 2828 4th street Santa Monica, CA 90405
tel 310.450.8338 ext 79389

.....Focusing Ideas, Integrating partnerships, and Preparing the learning Environment for the 21st Century

Wahrenbrock, Sarah

From: Wahrenbrock, Sarah
Sent: Wednesday, December 04, 2013 2:37 PM
To: Mark Katchen
Subject: RE: PCB Sample identifies and locations

THanks!

Thank You,
Sarah Wahrenbrock
Assistant to the Superintendent
Santa Monica-Malibu Unified School District
310.450.8338 x70-229
310.581.1138 (fax)

From: Mark Katchen [mailto:mkatchen@phylmar.com]
Sent: Wednesday, December 04, 2013 2:27 PM
To: Wahrenbrock, Sarah
Cc: Lyon, Sandra
Subject: PCB Sample identifies and locations
Importance: High

Sarah, the following tables contain the PCB sample identifications and locations. I believe Sandy wanted these posted.

Mark

MHS/MMS PCB AIR SAMPLE LOCATIONS- 11/2/13	
Sample Number	**Location**
A-1	Library
A-2	Blue Bldg. Room 1
A-3	Blue Bldg. Room 2
A-4	Blue Bldg. Room 8
A-5	Blue Bldg. Room 9
A-6	Blue Bldg. Room 5
A-7	Room 301
A-8	Mako Bldg., Room 104
A-9	Mako Bldg., Room 103
A-10	Mako Bldg., Room 105

MHS/MMS PCB WIPE SAMPLES - November 2, 2013			
Sample Number	**Location**	**Component**	**Surface Type**

W-1A	Library	Interior	Carpet
W-1B	Library	Interior Sill	Plaster
W-1C	Library	Exterior Sill	Metal
W-2A	Blue Bldg. Room 1	Interior Floor	Floor Tile
W-2B	Blue Bldg. Room 1	Interior Sill	Metal
W-2C	Blue Bldg. Room 1	Exterior Sill	Metal
W-3A	Blue Bldg. Room 2	Interior Floor	Floor Tile
W-3B	Blue Bldg. Room 2	Interior Sill	Metal
W-3C	Blue Bldg. Room 2	Exterior Sill	Metal
W-4A	Blue Bldg. Room 5	Interior Floor	Floor Tile
W-4B	Blue Bldg. Room 5	Interior Sill	Metal
W-4C	Blue Bldg. Room 5	Exterior Sill	Metal
W-5A	Blue Bldg. Room 8	Interior Floor	Floor Tile
W-5B	Blue Bldg. Room 8	Interior Sill	Metal
W-5C	Blue Bldg. Room 8	Exterior Sill	Metal
W-6A	Blue Bldg. Room 9	Interior Floor	Floor Tile
W-6B	Blue Bldg. Room 9	Interior Sill	Metal
W-6C	Blue Bldg. Room 9	Exterior Sill	Metal
W-7A	Mako Bldg., Room 103	Interior Floor	Floor Tile
W-7B	Mako Bldg., Room 103	Interior Sill	Metal
W-7C	Mako Bldg., Room 103	Exterior Sill	Metal
W-8A	Mako Bldg., Room 104	Interior Floor	Floor Tile
W-8B	Mako Bldg., Room 104	Interior Sill	Metal
W-8C	Mako Bldg., Room 104	Exterior Sill	Metal
W-9A	Mako Bldg., Room 105	Interior Floor	Floor Tile
W-9B	Mako Bldg., Room 105	Interior Sill	Metal
W-9C	Mako Bldg., Room 105	Exterior Sill	Metal
W-10A	Thresher Bldg., Room 301	Interior Floor	Floor Tile
W-10B	Thresher Bldg., Room 301	Interior Sill	Metal
W-10C	Thresher Bldg., Room 301	Exterior Sill	Metal

MHS/MMS PCB Bulk Samples - November 2, 2013		
Sample Number	**Location**	**Component**
B-1A	Library	Window Caulk
B-2A	Blue Bldg., Room 1	Window Caulk
B-3A	Blue Bldg.,. Room 2	Window Caulk
B-4A	Blue Bldg., Room 5	Window Caulk
B-5A	Blue Bldg., Room 8	Window Caulk
B-6A	Blue Bldg., Room 9	Window Caulk
B-7A	Mako Bldg., Room 103	Window Caulk
B-8A	Mako Bldg., Room 104	Window Caulk
B-9A	Mako Bldg., Room 106	Window Caulk
B-10A	Thresher Bldg., Room 301	Window Caulk

B-1B	Library	Interior Wall Paint
B-2B	Blue Bldg., Room 1	Interior Wall Paint
B-3B	Blue Bldg.,. Room 2	Interior Wall Paint
B-4B	Blue Bldg., Room 5	Interior Wall Paint
B-5B	Blue Bldg., Room 8	Interior Wall Paint
B-6B	Blue Bldg., Room 9	Interior Wall Paint
B-7B	Mako Bldg., Room 103	Interior Wall Paint
B-8B	Mako Bldg., Room 104	Interior Wall Paint
B-9B	Mako Bldg., Room 106	Interior Wall Paint
B-10B	Thresher Bldg., Room 301	Interior Wall Paint

Mark Katchen, CIH
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Lyon, Sandra

From: Mark Katchen <mkatchen@phylmar.com>
Sent: Wednesday, December 04, 2013 2:27 PM
To: Wahrenbrock, Sarah
Cc: Lyon, Sandra
Subject: PCB Sample identifies and locations

Importance: High

Sarah, the following tables contain the PCB sample identifications and locations. I believe Sandy wanted these posted.

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A-6	Blue Bldg. Room 5
A-7	Room 301
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MHS/MMS PCB WIPE SAMPLES - November 2, 2013			
Sample Number	**Location**	**Component**	**Surface Type**
W-1A	Library	Interior	Carpet
W-1B	Library	Interior Sill	Plaster
W-1C	Library	Exterior Sill	Metal
W-2A	Blue Bldg. Room 1	Interior Floor	Floor Tile
W-2B	Blue Bldg. Room 1	Interior Sill	Metal
W-2C	Blue Bldg. Room 1	Exterior Sill	Metal
W-3A	Blue Bldg. Room 2	Interior Floor	Floor Tile
W-3B	Blue Bldg. Room 2	Interior Sill	Metal
W-3C	Blue Bldg. Room 2	Exterior Sill	Metal
W-4A	Blue Bldg. Room 5	Interior Floor	Floor Tile
W-4B	Blue Bldg. Room 5	Interior Sill	Metal

W-4C	Blue Bldg. Room 5	Exterior Sill	Metal
W-5A	Blue Bldg. Room 8	Interior Floor	Floor Tile
W-5B	Blue Bldg. Room 8	Interior Sill	Metal
W-5C	Blue Bldg. Room 8	Exterior Sill	Metal
W-6A	Blue Bldg. Room 9	Interior Floor	Floor Tile
W-6B	Blue Bldg. Room 9	Interior Sill	Metal
W-6C	Blue Bldg. Room 9	Exterior Sill	Metal
W-7A	Mako Bldg., Room 103	Interior Floor	Floor Tile
W-7B	Mako Bldg., Room 103	Interior Sill	Metal
W-7C	Mako Bldg., Room 103	Exterior Sill	Metal
W-8A	Mako Bldg., Room 104	Interior Floor	Floor Tile
W-8B	Mako Bldg., Room 104	Interior Sill	Metal
W-8C	Mako Bldg., Room 104	Exterior Sill	Metal
W-9A	Mako Bldg., Room 105	Interior Floor	Floor Tile
W-9B	Mako Bldg., Room 105	Interior Sill	Metal
W-9C	Mako Bldg., Room 105	Exterior Sill	Metal
W-10A	Thresher Bldg., Room 301	Interior Floor	Floor Tile
W-10B	Thresher Bldg., Room 301	Interior Sill	Metal
W-10C	Thresher Bldg., Room 301	Exterior Sill	Metal

MHS/MMS PCB Bulk Samples - November 2, 2013		
Sample Number	**Location**	**Component**
B-1A	Library	Window Caulk
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B-3A	Blue Bldg.,. Room 2	Window Caulk
B-4A	Blue Bldg., Room 5	Window Caulk
B-5A	Blue Bldg., Room 8	Window Caulk
B-6A	Blue Bldg., Room 9	Window Caulk
B-7A	Mako Bldg., Room 103	Window Caulk
B-8A	Mako Bldg., Room 104	Window Caulk
B-9A	Mako Bldg., Room 106	Window Caulk
B-10A	Thresher Bldg., Room 301	Window Caulk
B-1B	Library	Interior Wall Paint
B-2B	Blue Bldg., Room 1	Interior Wall Paint
B-3B	Blue Bldg.,. Room 2	Interior Wall Paint
B-4B	Blue Bldg., Room 5	Interior Wall Paint
B-5B	Blue Bldg., Room 8	Interior Wall Paint
B-6B	Blue Bldg., Room 9	Interior Wall Paint
B-7B	Mako Bldg., Room 103	Interior Wall Paint
B-8B	Mako Bldg., Room 104	Interior Wall Paint
B-9B	Mako Bldg., Room 106	Interior Wall Paint
B-10B	Thresher Bldg., Room 301	Interior Wall Paint

Mark Katchen, CIH
Managing Principal
The Phylmar Group, Inc.
310-474-3937
310-446-1826 (fax)
www.phylmar.com
Empowering Communities of Environmental Health and Safety/Sustainability Professionals

Flores, Ana

From: Maez, Jan
Sent: Monday, November 18, 2013 6:12 PM
To: Kamibayashi, Terry
Subject: RE: MS Building

Terry,

Has this issue been resolved – it's really a site decision – however when I spoke to Sandy about it – we saw no reason to rekey or take keys away – the staff just needs to understand that unless they check with the administration or they have a valid reason to enter these rooms – that they should not be accessing the rooms. In any event we are not committing custodial resources to empty trash or stock restrooms.

jan

From: Kamibayashi, Terry
Sent: Thursday, November 14, 2013 6:00 PM
To: Maez, Jan; Lyon, Sandra; Mark Katchen
Subject: RE: MS Building

Jan, Phil does not want to allow access this has happened without Admin knowledge. Phil stated that there would not be a problem with grabbing something but he was under the impression that the building was closed for all use. The room in question has a restroom inside the class and teacher went directly to custodial staff to clean.

From: Maez, Jan
Sent: Thursday, November 14, 2013 5:55 PM
To: Kamibayashi, Terry; Lyon, Sandra; Mark Katchen
Subject: RE: MS Building

I think we need to ask the MHS admin if there are reasons why any teachers need to have access to any of these areas, my questions – why is trash accumulating in a room that is not being used - and are the bathrooms being used- and do we want to them to be used.

jan

From: Kamibayashi, Terry
Sent: Thursday, November 14, 2013 5:48 PM
To: Lyon, Sandra; Maez, Jan; Mark Katchen
Subject: FW: MS Building

Please let me know if restricting all access is required. Currently custodial service is removed from this building with the understanding that there was no access. I can have rooms rekeyed if necessary

---

From: Wenker, Phil
Sent: Thursday, November 14, 2013 4:10 PM
To: Kamibayashi, Terry
Subject: MS Building

Terry - The middle school classrooms are being accessed by the teachers and one of them wants the custodial staff to dump her trash and stock her bathroom - Phil

SUMMARY OF INDOOR ENVIROMENTAL QUALITY, ELCTROMAGNETIC FIELDS, AND RADON MONITORING RESULTS
MALIBU HIGH SCHOOL, MALIBU MIDDLE SCHOOL AND JUAN CABRILLO ELEMENTARY SCHOOL

NOVEMBER 2013

INDOOR ENVIRONMENTAL QUALITY

Indoor environmental quality (IEQ) parameter monitoring was conducted on November 6, 2013, for Malibu High and Middle Schools and November 7, 2013, for Cabrillo Elementary School. The monitoring included temperature (T), relative humidity (RH), carbon dioxide (CO2), and dust levels.

The buildings were categorized into various functional groups/rooms based on the type of buildings, usage, room volume, heating, ventilation and/or air conditioning (HVAC) units, and/or other factors that may affect the IEQ parameters. Empty classrooms and/or buildings were excluded from the IEQ monitoring.

Efforts were taken to obtain the worst-case scenario for each group. The results for the temperature, humidity, and dust levels were within the parameter-specific guidelines listed on the results table.

Carbon dioxide was also monitored. Some classrooms in Buildings D, G, and I had carbon dioxide levels exceeding the recommended guideline listed on the results table. While these levels are not considered hazardous, some exposed individuals may experience drowsiness and fatigue.

ELECTRO-MAGNETIC FIELD EMISSIONS

Electromagnetic fields are produced when any electrical device is turned on. Electromagnetic field (EMF) emission monitoring was conducted on November 6, 2013, for both Malibu High and Middle Schools and Cabrillo Elementary School. The monitoring was performed on video display terminals including computer monitors and televisions using both liquid-crystal displays (LCD) and cathode-ray tubes (CRT). In addition, a communication system in the administration office of Cabrillo Elementary School was tested. No levels exceeded the recommended guidelines listed on the results table.

RADON TESTING

Radon is a colorless, odorless, tasteless gas, occurring naturally as an indirect decay product of uranium or thorium. Radon testing was conducted from November 1 through 3, 2013, for both Malibu High and Middle Schools and Cabrillo Elementary School. Two samples were placed on the ground (first) floor of buildings selected for testing. The testing locations/rooms were randomly selected. The results for each building are presented in the attached table.

All classroom radon levels were less than the guideline. One sample collected in the custodian's storage room slightly exceeded the guideline. The data do not suggest a significant source of radon is present at the schools.

PANACEA, INC.
Environmental Services

INDOOR AIR QUALITY MONITORING

MONITOR: Steven Modtland and Eric Barragan
DATE: 11/06/13

INSTRUMENT: TSI DustTrak 8520, Serial No. 22810
PROJECT NAME: Malibu / Cabrillo

INSTRUMENT: TSI Q-Trak 7565, Serial No. 7565X1047020
PROJECT NO.: C13-780JTM

CALIBRATION: Pre-Calibrated by supplier
BUILDING NO./NAME: Malibu HS

LOCATION	TIME	TEMP. (F)	REL. HUM. (%)	CO2 (ppm)	DUST COUNT (mg/m³)	OD	HVAC on or off	Doors Open	Windows Open	ADDITIONAL COMMENT
Criteria	NA	68.0 -80.5	See Temp	700 + outdoor level (286) = 986	0.15 mg/m3	NA	NA	NA	NA	NA
Background – Middle School quad	08:28 AM	77.8	30.4	304	0.008	--	--	--	--	
Library, eastern portion	08:34 AM	78.5	24.1	730	0.030	37	off	1	14	
Room #103	08:48 AM	70.4	38.2	1042	0.004	36	on	1	0	
Room #209	08:52 AM	75.6	34.2	863	0.017	35	off	1	0	
Library, eastern portion	09:04 AM	72.6	30.7	495	0.012	28	off	2	14	
Background – High School quad	09:10 AM	84.3	14.9	282	0.019	--	--	--	0	
Room #402	09:18 AM	74.8	24.4	694	0.032	24	off	1	0	
Room #502	09:25 AM	72.6	21.8	381	0.013	4	off	2	0	
Room #505	Skipped – No Occupants									
Room #513	09:38 AM	75.6	31.5	1501	0.022	33	off	0	1	Window partially open
Room #604	09:42 AM	76.8	22.5	779	0.032	41	off	1	2	
Room #623	09:46 AM	75.9	23	817	0.024	26	off	1	3	
Library, eastern portion	09:54 AM	72.8	22.1	396	0.008	35	off	2	14	
Background – Middle School quad	10:00 AM	73.1	15.5	305	0.014	--	--	--	0	
Room #102	10:10 AM	72.6	24.3	830	0.038	34	off	1	0	
Room #207	10:16 AM	78.1	24.3	1162	0.041	31	off	1	0	
Background – High School quad	10:20 AM	74.5	14.4	293	0.008	--	--	--	0	
Room #401	10:24 AM	75.3	19.3	528	0.024	33	off	1	0	
Room #500A	10:30 AM	72.7	19.6	509	0.017	5	off	0	0	
Room #505	10:34 AM	74.3	18.1	319	0.016	15	off	1	0	
Room #513	10:38 AM	74.6	20.1	570	0.015	34	off	1	3	
Room #606	10:40 AM	74.4	21.1	621	0.007	34	off	1	1	
Room #625	10:44 AM	74.9	22.2	875	0.040	37	off	1	1	
Background – Middle School quad	10:52 AM	70.1	29.4	274	0.004	--	--	--	--	
Room #105	11:02 AM	73.4	35.7	1338	0.021	35	off	1	0	
Room #207	11:04 AM	75.9	32.2	1132	0.013	32	off	1	0	
Background – High School quad	11:10 AM	71.4	31.5	273	0.006	8	--	--	--	
Room #401	11:25 AM	73.8	32.6	1012	0.065	32	off	1	0	
Room #502	11:30 AM	75.3	29.1	381	0.005	5	off	2	0	
Room #505	Skipped – No Occupants									
Room #513	11:36 AM	75.4	35	1086	0.021	35	off	0	3	
Room #604	Skipped – No Occupants									
Background – Middle School quad	01:18 PM	69.4	57.2	275	0.005	--	--	--	--	
Library, eastern portion	01:20 PM	70.8	55.5	432	0.010	39	off	2	14	
Room #102	01:26 PM	73.6	47.7	692	0.009	32	off	0	0	
Room #205	01:32 PM	76.3	44.6	1550	0.012	30	off	1	0	
Background – High School quad	01:34 PM	70.5	52.3	284	0.005	7	--	--	--	
Room #402	01:38 PM	73.7	46.4	775	0.011	29	off	1	0	
Room #500A	01:42 PM	76.1	44.4	807	0.039	4	off	0	0	
Room #505	01:44 PM	75.3	46.3	420	0.061	30	off	2	0	
Room #511	01:48 PM	75.5	44	1458	0.027	29	on	1	0	
Room #605	01:52 PM	76.4	45.7	966	0.021	33	off	1	0	
Room #626	01:58 PM	76.7	47	889	0.007	42	off	1	--	
Background – Middle School quad	02:10 PM	68.9	58.3	271	0.008	--	--	--	--	
Room #102	02:18 PM	72.7	49.5	650	0.010	32	off	1	0	
Room #209	02:24 PM	73.2	44.5	1310	0.020	28	off	1	0	
Background – High School quad	02:28 PM	70.5	49.7	289	0.007	--	--	--	--	
Room #401	02:30 PM	72.1	54.6	741	0.007	27	off	1	0	
Room #502	02:32 PM	75.1	49.1	364	0.022	6	off	1	0	
Room #505	02:36 PM	73.5	51	464	0.055	27	off	2	0	
Room #511	02:38 PM	73.7	42.5	1266	0.011	22	on	1	0	
Room #604	02:40 PM	74.9	50.1	724	0.020	30	off	1	1	
Room #625	02:42 PM	74.3	52	750	0.010	33	off	1	0	
Background – Middle School quad	02:46 PM	71	51.1	284	0.005	--	--	--	--	

PANACEA, INC.
Environmental Services

INDOOR AIR QUALITY MONITORING

MONITOR: Steven Moddand and Eric Barragan
DATE: 11/07/13
INSTRUMENT: TSI DustTrak 8520, Serial No. 22810
PROJECT NAME: Malibu / Cabrillo
INSTRUMENT: TSI Q-Trak 7565, Serial No. 7565X1047020
PROJECT NO.: C13-780JTM
CALIBRATION: Pre-Calibrated by supplier
BUILDING NO./NAME: Cabrillo ES

LOCATION	TIME	TEMP. (C or F)	REL HUM. (%)	CO2 (ppm, 1000)	DUST COUNT	OD	HVAC on or off	Doors Open	Windows Open	ADDITIONAL COMMENT
Criteria	NA	68.0 - 80.6	See Temp	700 + outdoor level (257) = 957	0.15 mg/m3	NA	NA	NA	NA	NA
Background – Between Buildings B and C	08:34 AM	68.8	38.6	260	0.017	--	--	--	--	
Room #5	08:36 AM	68.4	40.2	641	0.000	18	off	0	0	
Room #9	08:40 AM	71.4	40.8	860	0.046	27	off	1	0	
Room #13	08:44 AM	70.7	36.3	502	0.024	16	off	1	0	
Background – Between Buildings C and D	08:46 AM	70.5	38.2	280	0.019	--	--	--	--	
Cottage A	Skipped – No Occupants									
Library	Skipped – No Occupants									
Room #18	09:02 AM	70.5	40.4	1260	0.054	33	off	1	3	
Room #24	Skipped – No Occupants									
Background – Between Buildings B and C	09:30 AM	68.3	44.4	266	0.009	--	--	--	--	
Room #5	09:32 AM	70.3	42.6	1250	0.065	24	off	1	0	
Room #9	09:34 AM	72.6	40	830	0.030	27	off	1	0	
Room #12	Skipped – No Occupants									
Background – Between Buildings C and D	09:40 AM	74.7	31.6	305	0.007	--	--	--	--	
Cottage A	Skipped – No Occupants									
Library	Skipped – No Occupants									
Room #18	09:48 AM	74.1	36.5	1176	0.023	35	off	1	3	
Room #24	Skipped – No Occupants									
Background – Between Buildings B and C	10:00 AM	70.8	37.3	270	0.006	--	--	--	--	
Room #5	Skipped – No Occupants									
Room #9	10:26 AM	74	38.8	654	0.047	27	off	1	0	
Room #12	10:30 AM	73	37.5	640	0.026	20	off	0	0	
Background – Between Buildings C and D	10:32 AM	72.6	36	285	0.009	--	--	--	--	
Cottage A	Skipped – No Occupants									
Library	10:42 AM	72.5	37.2	366	0.016	14	off	3	0	
Room #18	10:44 AM	73.2	42.4	1310	0.023	35	off	1	3	
Room #24	10:50 AM	74.0	33.3	738	0.033	16	off	1	0	
Background – Between Buildings B and C	11:04 AM	75.5	24	268	0.012	--	--	--	--	
Room #5	11:06 AM	75.1	33.1	746	0.058	8	off	1	0	
Room #9	11:10 AM	76.4	30.2	708	0.035	29	off	1	0	
Room #15	11:14 AM	76.6	31.8	820	0.026	21	off	1	0	
Background – Between Buildings C and D	11:16 AM	75.3	31.3	275	0.020	--	--	--	--	
Cottage A	Skipped – No Occupants									
Library	11:20 AM	75.4	29	414	0.030	9	off	3	0	
Room #18	11:26 AM	73.2	37.6	1304	0.024	37	off	1	3	
Room #24	Skipped – No Occupants									
Background – Between Buildings B and C	11:48 AM	76.1	27.4	352	0.010	--	--	--	--	
Room #5	12:20 PM	78.8	28.2	468	0.043	20	off	2	0	
Room #9	12:24 PM	75.9	30.2	660	0.023	25	off	1	0	
Room #12	12:26 PM	75.2	32.1	924	0.028	24	off	2	0	
Background – Between Buildings C and D	12:28 PM	75.9	29.4	290	0.008	--	--	--	--	
Cottage A	Skipped – No Occupants									
Library	Skipped – No Occupants									
Room #18	12:32 PM	74.3	36.8	1213	0.032	30	off	1	3	
Room #24	12:38 PM	75.7	33.1	634	0.073	21	off	1	0	
Background – Between Buildings B and C	12:48 PM	73.3	33.7	308	0.007	--	--	--	--	
Room #3	12:50 PM	73.5	34.9	404	0.009	21	off	1	0	
Room #10	12:54 PM	74.5	35.9	708	0.042	20	off	1	0	
Room #15	12:58 PM	75.6	36.4	650	0.034	20	off	1	0	
Background – Between Buildings C and D	12:58 PM	76.1	31.2	281	0.006	--	--	--	--	
Cottage A	Skipped – No Occupants									
Library	01:00 PM	78.2	29.2	510	0.012	14	off	2	0	
Room #17	01:04 PM	74.3	33.4	490	0.002	20	off	1	1	
Room #24	Skipped – No Occupants									
Background – Between Buildings B and C	01:16 PM	72.9	49.8	302	0.008	--	--	--	--	
Room #5	12:00 AM									
Room #10	01:24 PM	73.8	47.2	640	0.043	22	off	1	0	
Room #15	01:26 PM	76	45.4	562	0.010	18	off	1	0	
Background – Between Buildings C and D	01:28 PM	77.6	45.7	289	0.007	--	--	--	--	
Cottage A	Skipped – No Occupants									
Library	Skipped – No Occupants									
Room #17	01:38 PM	74.4	44.7	600	0.035	21	off	1	0	
Room #24	01:42 PM	76.7	40.9	630	0.054	23	off	1	0	
Background – Between Buildings B and C	01:58 PM	71.1	46.1	325	0.016	--	--	--	--	
Room #5	02:04 PM	70.4	48.4	327	0.018	6	off	1	0	
Room #11	02:06 PM	73	45.6	388	0.012	21	off	2	0	
Room #12	02:08 PM	73.2	43.2	624	0.057	19	off	1	0	
Background – Between Buildings C and D	02:18 PM	71.4	41.9	264	0.008	--	--	--	--	
Cottage A	02:20 PM	75	38	464	0.049	14	off	1	0	
Library	Skipped – No Occupants									
Room #18	02:26 PM	72	45.2	620	0.050	30	off	1	3	
Room #24	02:28 PM	76.2	34.2	661	0.020	22	off	1	0	
Background – Between Buildings B and C	02:30 PM	70.3	48.2	261	0.009	--	--	--	--	
Background – Between	02:36 PM	72.1	46.3	282	0.007	--	--	--	--	

PANACEA, INC.
Environmental Services

EMF FORM

OBSERVER: Hsin Chou | DATE: 11/06/13 | INSTRU.: Holaday Industries, Inc.

SCHOOL: Cabrillo ES | PROJECT NO.: C13-780JTM | MODEL: HI – 3603, Serial No. 104961

NOTES:

Distance From Source – Due to the physical configuration of the instrument the measurement of "0" is equaled to H at closest possible distance (~10 cm from center of probe to the source), and E at ~1.5 cm from the source.

CRT = cathode-ray tube monitor; LCD = liquid crystal display monitor.

AREA	DIST. FROM SOURCE (cm)	EMF SOURCE TESTED	Magnetic Field (<80,000) (mA/m)	Electrical Field (<5,000) (V/m)	ADDITIONAL COMMENT
Administration Office	0	Simplex Integrated Communications System, 5100 Series, Central Processing Unit	1.4	0.5	Tested the front side of the unit.
Administration Office	30	Simplex Integrated Communications System, 5100 Series, Central Processing Unit	2.6	0.2	Tested the front side of the unit.
Administration Office	0	Simplex Integrated Communications System, 5100 Series, Central Processing Unit	0.4	0.1	Tested the side of the unit next to a working desk.
Administration Office	30	Simplex Integrated Communications System, 5100 Series, Central Processing Unit	0.4	0.1	Tested the side of the unit next to a working desk.
Administration Office	0	Gateway, ~14"	8.4	1.1	
Administration Office	30	Gateway LCD, ~14"	2.0	0.1	
Administration Office	0	Coby LCD, ~32"	16.0	0.3	Tested the front side of the unit.
Administration Office	30	Coby LCD, ~32"	8.0	0.1	Tested the front side of the unit.
Administration Office	0	Coby LCD, ~32"	65.0	60.0	Tested the backside side of the unit.
Administration Office	30	Coby LCD, ~32"	30.0	10.0	Tested the backside side of the unit.
Administration Lounge	0	Laser printer, HP 2055dn	19.0	1.0	Tested while the machine was running.
Administration Lounge	30	Laser printer, HP 2055dn	5.0	0.1	Tested while the machine was running.
Administration Copy Room	0	Copier	5.0	2.0	Tested while the machine was running.
Administration Copy Room	30	Copier	1.5	0.5	Tested while the machine was running.
Library	0	Gateway LCD, ~15"	2.4	2.1	
Library	30	Gateway LCD, ~15"	0.5	0.1	
Library	0	Panasonic CRT, ~40", hanging from ceiling	430.0	640.0	
Library	30	Panasonic CRT, ~40", hanging from ceiling	170.0	30.0	
#3	0	Gateway CRT, ~14"	500.0	85.0	
#3	30	Gateway CRT, ~14"	150.0	4.0	
#3	0	Panasonic CRT, ~25", hanging from ceiling	110.0	400.0	

#3	30	Panasonic CRT, ~25", hanging from ceiling	16.0	22.0	
#5	0	Sharp CRT, ~25", hanging from ceiling	230.0	400.0	
#5	30	Sharp CRT, ~25", hanging from ceiling	82.0	38.0	
#8	0	Gateway CRT, ~14"	550.0	103.0	
#8	30	Gateway CRT, ~14"	200.0	3.0	
#9	0	Gateway CRT, ~17"	110.0	30.0	
#9	30	Gateway CRT, ~17"	8.0	0.3	
#15	0	Gateway CRT, ~14"	500.0	110.0	
#15	30	Gateway CRT, ~14"	110.0	3.0	
#17	0	HPLE 2001W LCD, ~21"	9.0	8.0	
#17	30	HPLE 2001W LCD, ~21"	1.3	1.0	
#24	0	Emerson CRT, ~19", hanging from ceiling	177.0	700.0	
#24	30	Emerson CRT, ~19", hanging from ceiling	57.0	30.0	
#25	0	Zenith CRT, ~30"	210.0	500.0	
#25	30	Zenith CRT, ~30"	77.0	40.0	

INITIAL RADON RESULTS - MHS/MMS AND CABRILLO				
School	**Bldg.**	**Room**	**Results (pCi/L)**	**Bldg. Average (pCi/L) (Guideline = 4 pCi/L)**
MHS/MMS	Library	NA	1.20	1.38
		NA	1.55	
	Blue	1	0.88	1.18
		8	1.47	
	Leopard	401	0.84	0.73
		402	0.61	
	Thresher	301	0.81	1.23
		303	1.64	
	Angel	511	0.63	0.73
		506	0.83	
	Hammerhead	601	1.32	1.42
		602	1.52	
	Mako	101A	0.68	0.91
		106	1.14	
	Blue	5	0.42	0.42
		10	0.42	
Cabrillo	B	1	1.18	1.25
		3	1.32	
	C	7	4.27	2.75
		11	1.22	
	D	12	0.69	0.73
		13	0.76	
	E	8	3.04	2.10
		1	1.15	
	F	16	1.08	1.02
		22	0.96	
	Rear of Playground	24	0.68	0.68
		25	0.68	
	Cottage	Cottage A	0.68	0.73
		Cottage B	0.78	

RSCS
Radiation Safety & Control Services

0.68 pCi/L (Average)*

For Information Purposes Only

Tested Address: 2342 Manning Ave
Los Angeles, CA 90064

Customer: Mark Katchen
2342 Manning Ave
Los Angeles, CA 90064

Company: Phylmar Group
Phone: 310-474-3937
Fax:

*Actual level is less than reported level
Tested Location: Cottage A & B
Mimimum Detectable Level (pCi/L): 0.68
Testing Period: 11/1/13 2:40 pm to 11/3/13 2:30 pm

Analysis Date: 11/07/2013
Report Date: 11/08/2013

Canister	Result (pCi/L)
012-067	0.68
012-068	0.78

About your Radon-In-Air Test Results

EPA recommends the following steps if your result is 4 pCi/L or higher:

Step 1: Perform either another short-term or a long-term test as a follow-up test. The higher your initial short-term result, the more certain you can be that you should take a short-term rather than a long-term follow up test. If your first short-term test result is several times the action level - for example, about 10 pCi/L or higher - you should take a second short-term test immediately.

Step 2: If you followed up with a long-term test: Fix your home if your long-term test result is 4 pCi/L or more.
If you followed up with a short-term test: The higher your short-term results, the more certain you can be that you should fix your home. Consider fixing your home if the average of your first and second text is 4 pCi/L or higher.

If your radon results are greater than 4.0 pCi/L, or you want additional information, the California radon office can be reached at: . They can give you more information including a list of NEHA or State approved radon contractors for radon remediation. To learn more about radon and how to reduce radon in your home, RSCS recommends the U.S. Environmental Protection Agency (EPA) website: www.eap.gov/iaq/radon/pubs/

In 1999 the EPA transferred management of the Radon Proficiency Program (RPP) to the National Environmental Health

Kit ID: 00000843

Results Certified By: James K. Tarzia
James K. Tarzia

RSCS
Radiation Safety & Control Services

0.68 pCi/L (Average)*

For Information Purposes Only

Tested Address: 2342 Manning Ave
Los Angeles, CA 90064

Customer: Mark Katchen
2342 Manning Ave
Los Angeles, CA 90064

Company: Phylmar Group
Phone: 310-474-3937
Fax:

*Actual level is less than reported level
Tested Location: Rooms 24 & 25
Mimimum Detectable Level (pCi/L): 0.68
Testing Period: 11/1/13 2:18 pm to 11/3/13 2:26 pm

Analysis Date: 11/07/2013
Report Date: 11/08/2013

Canister	Result (pCi/L)
013-011	0.68
013-012	0.68

About your Radon-In-Air Test Results

EPA recommends the following steps if your result is 4 pCi/L or higher:

Step 1: Perform either another short-term or a long-term test as a follow-up test. The higher your initial short-term result, the more certain you can be that you should take a short-term rather than a long-term follow up test. If your first short-term test result is several times the action level - for example, about 10 pCi/L or higher - you should take a second short-term test immediately.

Step 2: If you followed up with a long-term test: Fix your home if your long-term test result is 4 pCi/L or more.
If you followed up with a short-term test: The higher your short-term results, the more certain you can be that you should fix your home. Consider fixing your home if the average of your first and second text is 4 pCi/L or higher.

If your radon results are greater than 4.0 pCi/L, or you want additional information, the California radon office can be reached at: . They can give you more information including a list of NEHA or State approved radon contractors for radon remediation. To learn more about radon and how to reduce radon in your home, RSCS recommends the U.S. Environmental Protection Agency (EPA) website: www.eap.gov/iaq/radon/pubs/

In 1999 the EPA transferred management of the Radon Proficiency Program (RPP) to the National Environmental Health

Kit ID: 00000820

Results Certified By: James K. Tarzia
James K. Tarzia

RSCS
Radiation Safety & Control Services

1.02 pCi/L (Average)

For Information Purposes Only

Tested Address: 2342 Manning Ave
Los Angeles, CA 90064

Customer: Mark Katchen
2342 Manning Ave
Los Angeles, CA 90064

Company: Phylmar Group
Phone: 310-474-3937
Fax:

Tested Location: Rooms 16 & 22
Mimimum Detectable Level (pCi/L): 0.69
Testing Period: 11/1/13 2:00 pm to 11/3/13 2:22 pm

Analysis Date: 11/07/2013
Report Date: 11/08/2013

Canister	Result (pCi/L)
013-047	1.08
013-048	0.96

About your Radon-In-Air Test Results

EPA recommends the following steps if your result is 4 pCi/L or higher:

Step 1: Perform either another short-term or a long-term test as a follow-up test. The higher your initial short-term result, the more certain you can be that you should take a short-term rather than a long-term follow up test. If your first short-term test result is several times the action level - for example, about 10 pCi/L or higher - you should take a second short-term test immediately.

Step 2: If you followed up with a long-term test: Fix your home if your long-term test result is 4 pCi/L or more.
If you followed up with a short-term test: The higher your short-term results, the more certain you can be that you should fix your home. Consider fixing your home if the average of your first and second text is 4 pCi/L or higher.

If your radon results are greater than 4.0 pCi/L, or you want additional information, the California radon office can be reached at: . They can give you more information including a list of NEHA or State approved radon contractors for radon remediation. To learn more about radon and how to reduce radon in your home, RSCS recommends the U.S. Environmental Protection Agency (EPA) website: www.eap.gov/iaq/radon/pubs/

In 1999 the EPA transferred management of the Radon Proficiency Program (RPP) to the National Environmental Health

Results Certified By: James K. Tarzia
James K. Tarzia

Kit ID: 00000857

RSCS
Radiation Safety & Control Services

2.09 pCi/L (Average)

For Information Purposes Only

Tested Address: 2342 Manning Ave
Los Angeles, CA 90064

Customer: Mark Katchen
2342 Manning Ave
Los Angeles, CA 90064

Company: Phylmar Group
Phone: 310-474-3937
Fax:

Tested Location: Rooms 8 & 1 Bldg. E
Mimimum Detectable Level (pCi/L): 0.67
Testing Period: 11/1/13 1:56 pm to 11/3/13 2:18 pm

Analysis Date: 11/07/2013
Report Date: 11/08/2013

Canister	Result (pCi/L)
013-091	3.04
013-092	1.15

About your Radon-In-Air Test Results

EPA recommends the following steps if your result is 4 pCi/L or higher:

Step 1: Perform either another short-term or a long-term test as a follow-up test. The higher your initial short-term result, the more certain you can be that you should take a short-term rather than a long-term follow up test. If your first short-term test result is several times the action level - for example, about 10 pCi/L or higher - you should take a second short-term test immediately.

Step 2: If you followed up with a long-term test: Fix your home if your long-term test result is 4 pCi/L or more.
If you followed up with a short-term test: The higher your short-term results, the more certain you can be that you should fix your home. Consider fixing your home if the average of your first and second text is 4 pCi/L or higher.

If your radon results are greater than 4.0 pCi/L, or you want additional information, the California radon office can be reached at: . They can give you more information including a list of NEHA or State approved radon contractors for radon remediation. To learn more about radon and how to reduce radon in your home, RSCS recommends the U.S. Environmental Protection Agency (EPA) website: www.eap.gov/iaq/radon/pubs/

In 1999 the EPA transferred management of the Radon Proficiency Program (RPP) to the National Environmental Health

Results Certified By: James K. Tarzia
James K. Tarzia

Kit ID: 00000839

RSCS
Radiation Safety & Control Services

0.70 pCi/L (Average)

For Information Purposes Only

Tested Address: 2342 Manning Ave
Los Angeles, CA 90064

Customer: Mark Katchen
2342 Manning Ave
Los Angeles, CA 90064

Company: Phylmar Group
Phone: 310-474-3937
Fax:

Tested Location: Rooms 12 & 13
Mimimum Detectable Level (pCi/L): 0.69
Testing Period: 11/1/13 1:40 pm to 11/3/13 2:04 pm

Analysis Date: 11/07/2013
Report Date: 11/08/2013

Canister	Result (pCi/L)
013-029	0.69
013-030	0.76

About your Radon-In-Air Test Results

EPA recommends the following steps if your result is 4 pCi/L or higher:

Step 1: Perform either another short-term or a long-term test as a follow-up test. The higher your initial short-term result, the more certain you can be that you should take a short-term rather than a long-term follow up test. If your first short-term test result is several times the action level - for example, about 10 pCi/L or higher - you should take a second short-term test immediately.

Step 2: If you followed up with a long-term test: Fix your home if your long-term test result is 4 pCi/L or more.
If you followed up with a short-term test: The higher your short-term results, the more certain you can be that you should fix your home. Consider fixing your home if the average of your first and second text is 4 pCi/L or higher.

If your radon results are greater than 4.0 pCi/L, or you want additional information, the California radon office can be reached at: . They can give you more information including a list of NEHA or State approved radon contractors for radon remediation. To learn more about radon and how to reduce radon in your home, RSCS recommends the U.S. Environmental Protection Agency (EPA) website: www.eap.gov/iaq/radon/pubs/

In 1999 the EPA transferred management of the Radon Proficiency Program (RPP) to the National Environmental Health

Kit ID: 00000816

Results Certified By: James K. Tarzia
James K. Tarzia

RSCS
Radiation Safety & Control Services

2.75 pCi/L (Average)

For Information Purposes Only

Tested Address: 2342 Manning Ave
Los Angeles, CA 90064

Customer: Mark Katchen
2342 Manning Ave
Los Angeles, CA 90064

Company: Phylmar Group
Phone: 310-474-3937
Fax:

Tested Location: Rooms 7 & 11
Mimimum Detectable Level (pCi/L): 0.69
Testing Period: 11/1/13 1:24 pm to 11/3/13 2:10 pm

Analysis Date: 11/07/2013
Report Date: 11/08/2013

Canister	Result (pCi/L)
013-023	4.27
013-024	1.22

About your Radon-In-Air Test Results

EPA recommends the following steps if your result is 4 pCi/L or higher:

Step 1: Perform either another short-term or a long-term test as a follow-up test. The higher your initial short-term result, the more certain you can be that you should take a short-term rather than a long-term follow up test. If your first short-term test result is several times the action level - for example, about 10 pCi/L or higher - you should take a second short-term test immediately.

Step 2: If you followed up with a long-term test: Fix your home if your long-term test result is 4 pCi/L or more.
If you followed up with a short-term test: The higher your short-term results, the more certain you can be that you should fix your home. Consider fixing your home if the average of your first and second text is 4 pCi/L or higher.

If your radon results are greater than 4.0 pCi/L, or you want additional information, the California radon office can be reached at: . They can give you more information including a list of NEHA or State approved radon contractors for radon remediation. To learn more about radon and how to reduce radon in your home, RSCS recommends the U.S. Environmental Protection Agency (EPA) website: www.eap.gov/iaq/radon/pubs/

In 1999 the EPA transferred management of the Radon Proficiency Program (RPP) to the National Environmental Health

Results Certified By: James K. Tarzia
James K. Tarzia

Kit ID: 00000845

RSCS
Radiation Safety & Control Services

1.25 pCi/L (Average)

For Information Purposes Only

Tested Address: 2342 Manning Ave
Los Angeles, CA 90064

Customer: Mark Katchen
2342 Manning Ave
Los Angeles, CA 90064

Company: Phylmar Group
Phone: 310-474-3937
Fax:

Tested Location: Rooms 1 & 3
Mimimum Detectable Level (pCi/L): 0.68
Testing Period: 11/1/13 1:10 pm to 11/3/13 2:08 pm

Analysis Date: 11/07/2013
Report Date: 11/08/2013

Canister	Result (pCi/L)
012-009	1.18
012-010	1.32

About your Radon-In-Air Test Results

EPA recommends the following steps if your result is 4 pCi/L or higher:

Step 1: Perform either another short-term or a long-term test as a follow-up test. The higher your initial short-term result, the more certain you can be that you should take a short-term rather than a long-term follow up test. If your first short-term test result is several times the action level - for example, about 10 pCi/L or higher - you should take a second short-term test immediately.

Step 2: If you followed up with a long-term test: Fix your home if your long-term test result is 4 pCi/L or more.
If you followed up with a short-term test: The higher your short-term results, the more certain you can be that you should fix your home. Consider fixing your home if the average of your first and second text is 4 pCi/L or higher.

If your radon results are greater than 4.0 pCi/L, or you want additional information, the California radon office can be reached at: . They can give you more information including a list of NEHA or State approved radon contractors for radon remediation. To learn more about radon and how to reduce radon in your home, RSCS recommends the U.S. Environmental Protection Agency (EPA) website: www.eap.gov/iaq/radon/pubs/

In 1999 the EPA transferred management of the Radon Proficiency Program (RPP) to the National Environmental Health

Kit ID: 00000852

Results Certified By: James K. Tarzia
James K. Tarzia

RSCS
Radiation Safety & Control Services

0.42 pCi/L (Average)*

For Information Purposes Only

Tested Address: 2342 Manning Ave
Los Angeles, CA 90064

Customer: Mark Katchen
2342 Manning Ave
Los Angeles, CA 90064

Company: Phylmar Group
Phone: 310-474-3937
Fax:

*Actual level is less than reported level
Tested Location: Rooms 5 &10
Mimimum Detectable Level (pCi/L): 0.42
Testing Period: 11/1/13 12:48 pm to 11/3/13 2:40 pm

Analysis Date: 11/06/2013
Report Date: 11/08/2013

Canister	Result (pCi/L)
013-073	0.42
013-074	0.42

About your Radon-In-Air Test Results

EPA recommends the following steps if your result is 4 pCi/L or higher:

Step 1: Perform either another short-term or a long-term test as a follow-up test. The higher your initial short-term result, the more certain you can be that you should take a short-term rather than a long-term follow up test. If your first short-term test result is several times the action level - for example, about 10 pCi/L or higher - you should take a second short-term test immediately.

Step 2: If you followed up with a long-term test: Fix your home if your long-term test result is 4 pCi/L or more.
If you followed up with a short-term test: The higher your short-term results, the more certain you can be that you should fix your home. Consider fixing your home if the average of your first and second text is 4 pCi/L or higher.

If your radon results are greater than 4.0 pCi/L, or you want additional information, the California radon office can be reached at: . They can give you more information including a list of NEHA or State approved radon contractors for radon remediation. To learn more about radon and how to reduce radon in your home, RSCS recommends the U.S. Environmental Protection Agency (EPA) website: www.eap.gov/iaq/radon/pubs/

In 1999 the EPA transferred management of the Radon Proficiency Program (RPP) to the National Environmental Health

Kit ID: 00000836

Results Certified By: James K. Tarzia
James K. Tarzia

RSCS
Radiation Safety & Control Services

0.91 pCi/L (Average)

For Information Purposes Only

Tested Address: 2342 Manning Ave
Los Angeles, CA 90064

Customer: Mark Katchen
2342 Manning Ave
Los Angeles, CA 90064

Company: Phylmar Group
Phone: 310-474-3937
Fax:

Tested Location: Rooms 101A & 106
Mimimum Detectable Level (pCi/L): 0.57
Testing Period: 11/1/13 12:38 pm to 11/3/13 1:58 pm

Analysis Date: 11/06/2013
Report Date: 11/08/2013

Canister	Result (pCi/L)
013-035	0.68
013-036	1.14

About your Radon-In-Air Test Results

EPA recommends the following steps if your result is 4 pCi/L or higher:

Step 1: Perform either another short-term or a long-term test as a follow-up test. The higher your initial short-term result, the more certain you can be that you should take a short-term rather than a long-term follow up test. If your first short-term test result is several times the action level - for example, about 10 pCi/L or higher - you should take a second short-term test immediately.

Step 2: If you followed up with a long-term test: Fix your home if your long-term test result is 4 pCi/L or more.
If you followed up with a short-term test: The higher your short-term results, the more certain you can be that you should fix your home. Consider fixing your home if the average of your first and second text is 4 pCi/L or higher.

If your radon results are greater than 4.0 pCi/L, or you want additional information, the California radon office can be reached at: . They can give you more information including a list of NEHA or State approved radon contractors for radon remediation. To learn more about radon and how to reduce radon in your home, RSCS recommends the U.S. Environmental Protection Agency (EPA) website: www.eap.gov/iaq/radon/pubs/

In 1999 the EPA transferred management of the Radon Proficiency Program (RPP) to the National Environmental Health

Kit ID: 00000856

Results Certified By: James K. Tarzia
James K. Tarzia

RSCS
Radiation Safety & Control Services

1.42 pCi/L (Average)

For Information Purposes Only

Tested Address: 2342 Manning Ave
Los Angeles, CA 90064

Customer: Mark Katchen
2342 Manning Ave
Los Angeles, CA 90064

Company: Phylmar Group
Phone: 310-474-3937
Fax:

Tested Location: Rooms 601 & 602
Mimimum Detectable Level (pCi/L): 0.64
Testing Period: 11/1/13 12:26 pm to 11/3/13 1:50 pm

Analysis Date: 11/06/2013
Report Date: 11/08/2013

Canister	Result (pCi/L)
012-021	1.32
012-022	1.52

About your Radon-In-Air Test Results

EPA recommends the following steps if your result is 4 pCi/L or higher:

Step 1: Perform either another short-term or a long-term test as a follow-up test. The higher your initial short-term result, the more certain you can be that you should take a short-term rather than a long-term follow up test. If your first short-term test result is several times the action level - for example, about 10 pCi/L or higher - you should take a second short-term test immediately.

Step 2: If you followed up with a long-term test: Fix your home if your long-term test result is 4 pCi/L or more.
If you followed up with a short-term test: The higher your short-term results, the more certain you can be that you should fix your home. Consider fixing your home if the average of your first and second text is 4 pCi/L or higher.

If your radon results are greater than 4.0 pCi/L, or you want additional information, the California radon office can be reached at: . They can give you more information including a list of NEHA or State approved radon contractors for radon remediation. To learn more about radon and how to reduce radon in your home, RSCS recommends the U.S. Environmental Protection Agency (EPA) website: www.eap.gov/iaq/radon/pubs/

In 1999 the EPA transferred management of the Radon Proficiency Program (RPP) to the National Environmental Health

Kit ID: 00000841

Results Certified By: James K. Tarzia
James K. Tarzia

RSCS
Radiation Safety & Control Services

0.63 pCi/L (Average)*

For Information Purposes Only

Tested Address: 2342 Manning Ave
Los Angeles, CA 90064

Customer: Mark Katchen
2342 Manning Ave
Los Angeles, CA 90064

Company: Phylmar Group
Phone: 310-474-3937
Fax:

*Actual level is less than reported level
Tested Location: Rooms 511 & 506
Mimimum Detectable Level (pCi/L): 0.63
Testing Period: 11/1/13 12:18 pm to 11/3/13 1:44 pm

Analysis Date: 11/06/2013
Report Date: 11/08/2013

Canister	Result (pCi/L)
013-013	0.63
013-014	0.83

About your Radon-In-Air Test Results

EPA recommends the following steps if your result is 4 pCi/L or higher:

Step 1: Perform either another short-term or a long-term test as a follow-up test. The higher your initial short-term result, the more certain you can be that you should take a short-term rather than a long-term follow up test. If your first short-term test result is several times the action level - for example, about 10 pCi/L or higher - you should take a second short-term test immediately.

Step 2: If you followed up with a long-term test: Fix your home if your long-term test result is 4 pCi/L or more.
If you followed up with a short-term test: The higher your short-term results, the more certain you can be that you should fix your home. Consider fixing your home if the average of your first and second text is 4 pCi/L or higher.

If your radon results are greater than 4.0 pCi/L, or you want additional information, the California radon office can be reached at: . They can give you more information including a list of NEHA or State approved radon contractors for radon remediation. To learn more about radon and how to reduce radon in your home, RSCS recommends the U.S. Environmental Protection Agency (EPA) website: www.eap.gov/iaq/radon/pubs/

In 1999 the EPA transferred management of the Radon Proficiency Program (RPP) to the National Environmental Health

Results Certified By: James K. Tarzia
James K. Tarzia

Kit ID: 00000853

RSCS
Radiation Safety & Control Services

1.23 pCi/L (Average)

For Information Purposes Only

Tested Address: 2342 Manning Ave
Los Angeles, CA 90064

Customer: Mark Katchen
2342 Manning Ave
Los Angeles, CA 90064

Company: Phylmar Group
Phone: 310-474-3937
Fax:

Tested Location: Rooms 301 & 303
Mimimum Detectable Level (pCi/L): 0.63
Testing Period: 11/1/13 11:56 am to 11/3/13 11:35 am

Analysis Date: 11/06/2013
Report Date: 11/08/2013

Canister	Result (pCi/L)
013-019	0.81
013-020	1.64

About your Radon-In-Air Test Results

EPA recommends the following steps if your result is 4 pCi/L or higher:

Step 1: Perform either another short-term or a long-term test as a follow-up test. The higher your initial short-term result, the more certain you can be that you should take a short-term rather than a long-term follow up test. If your first short-term test result is several times the action level - for example, about 10 pCi/L or higher - you should take a second short-term test immediately.

Step 2: If you followed up with a long-term test: Fix your home if your long-term test result is 4 pCi/L or more.
If you followed up with a short-term test: The higher your short-term results, the more certain you can be that you should fix your home. Consider fixing your home if the average of your first and second text is 4 pCi/L or higher.

If your radon results are greater than 4.0 pCi/L, or you want additional information, the California radon office can be reached at: . They can give you more information including a list of NEHA or State approved radon contractors for radon remediation. To learn more about radon and how to reduce radon in your home, RSCS recommends the U.S. Environmental Protection Agency (EPA) website: www.eap.gov/iaq/radon/pubs/

In 1999 the EPA transferred management of the Radon Proficiency Program (RPP) to the National Environmental Health

Results Certified By: James K. Tarzia
James K. Tarzia

Kit ID: 00000854

RSCS
Radiation Safety & Control Services

0.61 pCi/L (Average)*

For Information Purposes Only

Tested Address: 2342 Manning Ave
Los Angeles, CA 90064

Customer: Mark Katchen
2342 Manning Ave
Los Angeles, CA 90064

Company: Phylmar Group
Phone: 310-474-3937
Fax:

*Actual level is less than reported level
Tested Location: Rooms 401 & 402
Mimimum Detectable Level (pCi/L): 0.61
Testing Period: 11/1/13 12:10 pm to 11/3/13 1:40 pm

Analysis Date: 11/06/2013
Report Date: 11/08/2013

Canister	Result (pCi/L)
013-069	0.84
013-070	0.61

About your Radon-In-Air Test Results

EPA recommends the following steps if your result is 4 pCi/L or higher:

Step 1: Perform either another short-term or a long-term test as a follow-up test. The higher your initial short-term result, the more certain you can be that you should take a short-term rather than a long-term follow up test. If your first short-term test result is several times the action level - for example, about 10 pCi/L or higher - you should take a second short-term test immediately.

Step 2: If you followed up with a long-term test: Fix your home if your long-term test result is 4 pCi/L or more.
If you followed up with a short-term test: The higher your short-term results, the more certain you can be that you should fix your home. Consider fixing your home if the average of your first and second text is 4 pCi/L or higher.

If your radon results are greater than 4.0 pCi/L, or you want additional information, the California radon office can be reached at: . They can give you more information including a list of NEHA or State approved radon contractors for radon remediation. To learn more about radon and how to reduce radon in your home, RSCS recommends the U.S. Environmental Protection Agency (EPA) website: www.eap.gov/iaq/radon/pubs/

In 1999 the EPA transferred management of the Radon Proficiency Program (RPP) to the National Environmental Health

Kit ID: 00000835

Results Certified By: James K. Tarzia
James K. Tarzia

RSCS
Radiation Safety & Control Services

1.17 pCi/L (Average)

For Information Purposes Only

Tested Address: 2342 Manning Ave
Los Angeles, CA 90064

Customer: Mark Katchen
2342 Manning Ave
Los Angeles, CA 90064

Company: Phylmar Group
Phone: 310-474-3937
Fax:

Tested Location: Rooms 1 & 8 (First Floor)
Mimimum Detectable Level (pCi/L): 0.46
Testing Period: 11/1/13 11:48 am to 11/3/13 1:22 pm

Analysis Date: 11/04/2013
Report Date: 11/08/2013

Canister	Result (pCi/L)
013-033	0.88
013-034	1.47

About your Radon-In-Air Test Results

EPA recommends the following steps if your result is 4 pCi/L or higher:

Step 1: Perform either another short-term or a long-term test as a follow-up test. The higher your initial short-term result, the more certain you can be that you should take a short-term rather than a long-term follow up test. If your first short-term test result is several times the action level - for example, about 10 pCi/L or higher - you should take a second short-term test immediately.

Step 2: If you followed up with a long-term test: Fix your home if your long-term test result is 4 pCi/L or more.
If you followed up with a short-term test: The higher your short-term results, the more certain you can be that you should fix your home. Consider fixing your home if the average of your first and second text is 4 pCi/L or higher.

If your radon results are greater than 4.0 pCi/L, or you want additional information, the California radon office can be reached at: . They can give you more information including a list of NEHA or State approved radon contractors for radon remediation. To learn more about radon and how to reduce radon in your home, RSCS recommends the U.S. Environmental Protection Agency (EPA) website: www.eap.gov/iaq/radon/pubs/

In 1999 the EPA transferred management of the Radon Proficiency Program (RPP) to the National Environmental Health

Results Certified By: James K. Tarzia
James K. Tarzia

Kit ID: 00000855

RSCS
Radiation Safety & Control Services

1.37 pCi/L (Average)

For Information Purposes Only

Tested Address: 2342 Manning Ave
Los Angeles, CA 90064

Customer: Mark Katchen
2342 Manning Ave
Los Angeles, CA 90064

Company: Phylmar Group
Phone: 310-474-3937
Fax:

Tested Location: Library
Mimimum Detectable Level (pCi/L): 0.43
Testing Period: 11/1/13 11:36 am to 11/3/13 1:18 pm

Analysis Date: 11/04/2013
Report Date: 11/08/2013

Canister	Result (pCi/L)
013-051	1.20
013-052	1.55

About your Radon-In-Air Test Results

EPA recommends the following steps if your result is 4 pCi/L or higher:

Step 1: Perform either another short-term or a long-term test as a follow-up test. The higher your initial short-term result, the more certain you can be that you should take a short-term rather than a long-term follow up test. If your first short-term test result is several times the action level - for example, about 10 pCi/L or higher - you should take a second short-term test immediately.

Step 2: If you followed up with a long-term test: Fix your home if your long-term test result is 4 pCi/L or more.
If you followed up with a short-term test: The higher your short-term results, the more certain you can be that you should fix your home. Consider fixing your home if the average of your first and second text is 4 pCi/L or higher.

If your radon results are greater than 4.0 pCi/L, or you want additional information, the California radon office can be reached at: . They can give you more information including a list of NEHA or State approved radon contractors for radon remediation. To learn more about radon and how to reduce radon in your home, RSCS recommends the U.S. Environmental Protection Agency (EPA) website: www.eap.gov/iaq/radon/pubs/

In 1999 the EPA transferred management of the Radon Proficiency Program (RPP) to the National Environmental Health

Results Certified By: James K. Tarzia
James K. Tarzia

Kit ID: 00000833

From: Lyon, Sandra [mailto:slyon@smmusd.org]
Sent: Monday, November 18, 2013 8:38 PM
To: Mark Katchen
Subject: FW: Prevarication--release of indoor air testing data.

FYI

From: Jennifer deNicola [mailto:jd18@me.com]
Sent: Monday, November 18, 2013 8:29 PM
To: Lyon, Sandra
Cc: Lieberman, Laurie; brads@frontieranalytical.com
Subject: Re: Prevarication--release of indoor air testing data.

Sandra,

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Just so we are clear, Brad has never spoken to me about test results. His entire process is extremely ethical and so far the only process I have total faith in. He has, as I have said in our Task Force meetings, been a teacher to me who has helped me to understand the process of testing for PCB's. For that I am very grateful.

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The task force never got to see the raw test results. We only got to see what Mark showed us. Based solely on that, a statement was sent out that the task force thinks the air samples are below EPA standards (of 1 in 10,000 aka non-cancer criteria). If Mark, as the person who did the calculations and the only one that has seen raw data, believes this, then he should make the statement solely on his behalf.

Lastly, when can we expect to see the wipe sample data?

Thank you,
Jennifer deNicola

On Nov 18, 2013, at 4:14 PM, Lyon, Sandra wrote:

Hi Jennifer,
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Sandy

Sandra Lyon
Superintendent
Santa Monica-Malibu Unified School District
1651 Sixteenth St.
Santa Monica, CA 90404
Tel: 310.450.8338 X 70241
FAX: 310.581.1138
www.smmusd.org

From: Jennifer deNicola [mailto:jd18@me.com]
Sent: Monday, November 18, 2013 4:05 PM
To: Lyon, Sandra; Lieberman, Laurie
Subject: Fwd: Prevarication--release of indoor air testing data.

Sandra:

Was this on your recommendation that Mark do it? If not, were you aware of this being done?

Sincerely,
Jennifer

Begin forwarded message:

From: "Lyon, Sandra" <slyon@smmusd.org>

Subject: RE: Prevarication--release of indoor air testing data.
Date: November 18, 2013 4:02:46 PM PST
To: Jennifer deNicola <jd18@me.com>, "Lieberman, Laurie" <llieberman@smmusd.org>

I have never spoken to Brad myself.

Sandra Lyon
Superintendent
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From: Jennifer deNicola [mailto:jd18@me.com]
Sent: Monday, November 18, 2013 4:02 PM
To: Lyon, Sandra; Lieberman, Laurie
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Dear Sandra:

Would you please explain why someone called Brad Silverbush and told him not to speak to me?

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Begin forwarded message:

From: Brad Silverbush <brads@frontieranalytical.com>
Subject: RE: Prevarication--release of indoor air testing data.
Date: November 18, 2013 11:43:18 AM PST
To: Jennifer DENICOLA <jd18@me.com>

Hi Jennifer,

I have been asked to refer you and Paul to Mark at this time.

Thanks,
Brad

Bradley B. Silverbush
Director of Operations
Frontier Analytical Laboratory

5172 Hillsdale Circle
El Dorado Hills, CA 95762
916-934-0900
brads@frontieranalytical.com

<image001.jpg><image002.jpg>

From: Jennifer DENICOLA [mailto:jd18@me.com]
Sent: Monday, November 18, 2013 11:31 AM
To: Brad Silverbush
Subject: Fwd: Prevarication--release of indoor air testing data.

Brad:

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Please see Paul's email to me below.

Thanks
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Sent from my iPhone

Begin forwarded message:

> **From:** "Paul Rosenfeld Ph.D." <rosenfeld.paul@gmail.com>
> **Date:** November 18, 2013 at 11:16:23 AM PST
> **To:** 'Jennifer DENICOLA' <jd18@me.com>
> **Subject: RE: Prevarication--release of indoor air testing data.**
>
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>
> **Paul Rosenfeld Ph.D.**
> **Soil Water Air Protection Enterprise (SWAPE)**
> **1640 5th Street, Suite 204, Santa Monica, CA 90401**
> **Phone: 310-795-2335 Fax: 310-434-0011**
> **prosenfeld@swape.com**
> **WWW.SWAPE.COM**
>
> <image001.jpg>
>
>

Lyon, Sandra

From: Lyon, Sandra [mailto:slyon@smmusd.org]
Sent: Monday, November 18, 2013 8:38 PM
To: Mark Katchen
Subject: FW: Prevarication--release of indoor air testing data.

FYI

From: Jennifer deNicola [mailto:jd18@me.com]
Sent: Monday, November 18, 2013 8:29 PM
To: Lyon, Sandra
Cc: Lieberman, Laurie; brads@frontieranalytical.com
Subject: Re: Prevarication--release of indoor air testing data.

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<image001.jpg>

Lyon, Sandra

From: hughbkaufman@comcast.net [mailto:hughbkaufman@comcast.net]
Sent: Monday, November 18, 2013 1:47 PM

To: Paul Rosenfeld Ph.D.
Cc: Brigette Leonard; malibuparents4healthyschools@wiggiomail.com; ken miller; Len Simonian; Ingrid Peterson; Lyon, Sandra; Mark Katchen; cassandra wiseman; melissa@malibutimes.com; Arnold G. York; Christina Pascucci; joy horowitz
Subject: Re: PCB air testing data shows that there is no problem... Although I have not had a chance to review the data...

Sorry Paul,
They're not gonna let you see the raw data or test results, because, I betcha, at least on of the PCB congeners, tested for, is out of compliance.
In fact, I'd betcha, Mark Katchen asked key players to hide the bad test results and raw data, like he did at Beverly Vista Elementary School in 1999 (See Joy Horowitz's book).
Ms. Lyon, Does the School District get any Federal $.
Hey Mark, what would happen if the FBI interviewed you and the other key players?
Be safe, Hugh

From: "Paul Rosenfeld Ph.D." <rosenfeld.paul@gmail.com>
To: slyon@smmusd.org, "Mark Katchen" <mkatchen@phylmar.com>
Cc: "Brigette Leonard" <brigetteleonard@gmail.com>, malibuparents4healthyschools@wiggiomail.com, "ken miller" <kmiller@gormanmiller.com>, "Len Simonian" <simonianl@aol.com>, "Hugh Kaufman" <hughbkaufman@comcast.net>, "Ingrid Peterson" <2ingmail@verizon.net>
Sent: Monday, November 18, 2013 1:30:11 PM
Subject: PCB air testing data shows that there is no problem... Although I have not had a chance to review the data...

> Sandra and Mark: I am so happy to see that the children are out of harms way. May I see the raw analytical data. This entire controversy will go away. On behalf of malibuparents4healthyschools may I see the analytical data to ensure them that there is no problem? Best wishes. Respectfully,
>
> **Paul Rosenfeld Ph.D.**
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SUMMARY OF INDOOR ENVIROMENTAL QUALITY, ELCTROMAGNETIC FIELDS, AND RADON MONITORING RESULTS
MALIBU HIGH SCHOOL, MALIBU MIDDLE SCHOOL AND JUAN CABRILLO ELEMENTARY SCHOOL

NOVEMBER 2013

INDOOR ENVIRONMENTAL QUALITY

Indoor environmental quality (IEQ) parameter monitoring was conducted on November 6, 2013, for Malibu High and Middle Schools and November 7, 2013, for Cabrillo Elementary School. The monitoring included temperature (T), relative humidity (RH), carbon dioxide (CO2), and dust levels.

The buildings were categorized into various functional groups/rooms based on the type of buildings, usage, room volume, heating, ventilation and/or air conditioning (HVAC) units, and/or other factors that may affect the IEQ parameters. Empty classrooms and/or buildings were excluded from the IEQ monitoring.

Efforts were taken to obtain the worst-case scenario for each group. The results for the temperature, humidity, and dust levels were within the parameter-specific guidelines listed on the results table.

Carbon dioxide was also monitored. Some classrooms in Buildings D, G, and I had carbon dioxide levels exceeding the recommended guideline listed on the results table. While these levels are not considered hazardous, some exposed individuals may experience drowsiness and fatigue.

ELECTRO-MAGNETIC FIELD EMISSIONS

Electromagnetic fields are produced when any electrical device is turned on. Electromagnetic field (EMF) emission monitoring was conducted on November 6, 2013, for both Malibu High and Middle Schools and Cabrillo Elementary School. The monitoring was performed on video display terminals including computer monitors and televisions using both liquid-crystal displays (LCD) and cathode-ray tubes (CRT). In addition, a communication system in the administration office of Cabrillo Elementary School was tested. No levels exceeded the recommended guidelines listed on the results table.

RADON TESTING

Radon is a colorless, odorless, tasteless gas, occurring naturally as an indirect decay product of uranium or thorium. Radon testing was conducted from November 1 through 3, 2013, for both Malibu High and Middle Schools and Cabrillo Elementary School. Two samples were placed on the ground (first) floor of buildings selected for testing. The testing locations/rooms were randomly selected. The results for each building are presented in the attached table.

All classroom radon levels were less than the guideline. One sample collected in the custodian's storage room slightly exceeded the guideline. The data do not suggest a significant source of radon is present at the schools.

INITIAL RADON RESULTS - MHS/MMS AND CABRILLO				
School	**Bldg.**	**Room**	**Results (pCi/L)**	**Bldg. Average (pCi/L) (Guideline = 4 pCi/L)**
MHS/MMS	Library	NA	1.20	1.38
		NA	1.55	
	Blue	1	0.88	1.18
		8	1.47	
	Leopard	401	0.84	0.73
		402	0.61	
	Thresher	301	0.81	1.23
		303	1.64	
	Angel	511	0.63	0.73
		506	0.83	
	Hammerhead	601	1.32	1.42
		602	1.52	
	Mako	101A	0.68	0.91
		106	1.14	
	Blue	5	0.42	0.42
		10	0.42	
Cabrillo	B	1	1.18	1.25
		3	1.32	
	C	7	4.27	2.75
		11	1.22	
	D	12	0.69	0.73
		13	0.76	
	E	8	3.04	2.10
		1	1.15	
	F	16	1.08	1.02
		22	0.96	
	Rear of Playground	24	0.68	0.68
		25	0.68	
	Cottage	Cottage A	0.68	0.73
		Cottage B	0.78	

PANACEA, INC.
Environmental Services

EMF FORM

OBSERVER: Hsin Chou DATE: 11/06/13 INSTRU.: Holaday Industries, Inc.

SCHOOL: Cabrillo ES PROJECT NO.: C13-780JTM MODEL: HI – 3603, Serial No. 104961

NOTES:

Distance From Source – Due to the physical configuration of the instrument the measurement of "0" is equaled to H at closest possible distance (~10 cm from center of probe to the source), and E at ~1.5 cm from the source.

CRT = cathode-ray tube monitor; LCD = liquid crystal display monitor.

AREA	DIST. FROM SOURCE (cm)	EMF SOURCE TESTED	Magnetic Field (<80,000) (mA/m)	Electrical Field (<5,000) (V/m)	ADDITIONAL COMMENT
Administration Office	0	Simplex Integrated Communications System, 5100 Series, Central Processing Unit	1.4	0.5	Tested the front side of the unit.
Administration Office	30	Simplex Integrated Communications System, 5100 Series, Central Processing Unit	2.6	0.2	Tested the front side of the unit.
Administration Office	0	Simplex Integrated Communications System, 5100 Series, Central Processing Unit	0.4	0.1	Tested the side of the unit next to a working desk.
Administration Office	30	Simplex Integrated Communications System, 5100 Series, Central Processing Unit	0.4	0.1	Tested the side of the unit next to a working desk.
Administration Office	0	Gateway, ~14"	8.4	1.1	
Administration Office	30	Gateway LCD, ~14"	2.0	0.1	
Administration Office	0	Coby LCD, ~32"	16.0	0.3	Tested the front side of the unit.
Administration Office	30	Coby LCD, ~32"	8.0	0.1	Tested the front side of the unit.
Administration Office	0	Coby LCD, ~32"	65.0	60.0	Tested the backside side of the unit.
Administration Office	30	Coby LCD, ~32"	30.0	10.0	Tested the backside side of the unit.
Administration Lounge	0	Laser printer, HP 2055dn	19.0	1.0	Tested while the machine was running.
Administration Lounge	30	Laser printer, HP 2055dn	5.0	0.1	Tested while the machine was running.
Administration Copy Room	0	Copier	5.0	2.0	Tested while the machine was running.
Administration Copy Room	30	Copier	1.5	0.5	Tested while the machine was running.
Library	0	Gateway LCD, ~15"	2.4	2.1	
Library	30	Gateway LCD, ~15"	0.5	0.1	
Library	0	Panasonic CRT, ~40", hanging from ceiling	430.0	640.0	
Library	30	Panasonic CRT, ~40", hanging from ceiling	170.0	30.0	
#3	0	Gateway CRT, ~14"	500.0	85.0	
#3	30	Gateway CRT, ~14"	150.0	4.0	
#3	0	Panasonic CRT, ~25", hanging from ceiling	110.0	400.0	

#3	30	Panasonic CRT, ~25", hanging from ceiling	16.0	22.0	
#5	0	Sharp CRT, ~25", hanging from ceiling	230.0	400.0	
#5	30	Sharp CRT, ~25", hanging from ceiling	82.0	38.0	
#8	0	Gateway CRT, ~14"	550.0	103.0	
#8	30	Gateway CRT, ~14"	200.0	3.0	
#9	0	Gateway CRT, ~17"	110.0	30.0	
#9	30	Gateway CRT, ~17"	8.0	0.3	
#15	0	Gateway CRT, ~14"	500.0	110.0	
#15	30	Gateway CRT, ~14"	110.0	3.0	
#17	0	HPLE 2001W LCD, ~21"	9.0	8.0	
#17	30	HPLE 2001W LCD, ~21"	1.3	1.0	
#24	0	Emerson CRT, ~19", hanging from ceiling	177.0	700.0	
#24	30	Emerson CRT, ~19", hanging from ceiling	57.0	30.0	
#25	0	Zenith CRT, ~30"	210.0	500.0	
#25	30	Zenith CRT, ~30"	77.0	40.0	

PANACEA, INC.
Environmental Services

INDOOR AIR QUALITY MONITORING

MONITOR: Steven Modiland and Eric Barragan
INSTRUMENT: TSI DustTrak 8520, Serial No. 22810
INSTRUMENT: TSI Q-Trak 7565, Serial No. 7565X1047020
CALIBRATION: Pre-Calibrated by supplier

DATE: 11/06/13
PROJECT NAME: Malibu / Cabrillo
PROJECT NO.: C13-780JTM
BUILDING NO./NAME: Malibu HS

LOCATION	TIME	TEMP. (F)	REL. HUM. (%)	CO2 (ppm)	DUST COUNT (mg/m³)	OD	HVAC on or off	Doors Open	Windows Open	ADDITIONAL COMMENT
Criteria	NA	68.0 -80.5	See Temp	700 + outdoor level (286) = 986	0.15 mg/m3	NA	NA	NA	NA	NA
Background – Middle School quad	08:28 AM	77.8	30.4	304	0.008	--	--	--	--	
Library, eastern portion	08:34 AM	78.5	24.1	730	0.030	37	off	1	14	
Room #103	08:46 AM	70.4	38.2	1042	0.004	36	on	1	0	
Room #209	08:52 AM	75.6	34.2	863	0.017	35	off	1	0	
Library, eastern portion	09:04 AM	72.6	30.7	495	0.012	28	off	2	14	
Background – High School quad	09:10 AM	64.3	14.9	282	0.019	--	--	--	0	
Room #402	09:18 AM	74.8	24.4	694	0.032	24	off	1	0	
Room #502	09:25 AM	72.6	21.8	381	0.013	4	off	2	0	
Room #505	Skipped – No Occupants									
Room #513	09:38 AM	75.6	31.5	1501	0.022	33	off	0	1	Window partially open
Room #604	09:42 AM	76.6	22.5	779	0.032	41	off	1	2	
Room #623	09:45 AM	75.9	23	817	0.024	26	off	1	3	
Library, eastern portion	09:54 AM	72.8	22.1	398	0.008	35	off	2	14	
Background – Middle School quad	10:00 AM	73.1	15.5	305	0.014	--	--	--	0	
Room #102	10:10 AM	72.6	24.3	630	0.036	34	off	1	0	
Room #207	10:16 AM	76.1	24.3	1162	0.041	31	off	1	0	
Background – High School quad	10:20 AM	74.5	14.4	293	0.008	--	--	--	0	
Room #401	10:24 AM	75.3	19.3	528	0.024	33	off	1	0	
Room #500A	10:30 AM	72.7	19.6	509	0.017	5	off	0	0	
Room #505	10:34 AM	74.3	18.1	319	0.016	15	off	1	0	
Room #513	10:36 AM	74.6	20.1	570	0.015	34	off	1	3	
Room #606	10:40 AM	74.4	21.1	621	0.007	34	off	1	1	
Room #625	10:44 AM	74.9	22.2	875	0.040	37	off	1	1	
Background – Middle School quad	10:52 AM	70.1	29.4	274	0.004	--	--	--	--	
Room #105	11:02 AM	73.4	35.7	1336	0.021	35	off	1	0	
Room #207	11:04 AM	75.9	32.2	1182	0.013	32	off	1	0	
Background – High School quad	11:10 AM	71.4	31.5	273	0.006	8	--	--	--	
Room #401	11:25 AM	73.8	32.6	1012	0.065	32	off	1	0	
Room #502	11:30 AM	75.3	29.1	381	0.005	5	off	2	0	
Room #505	Skipped – No Occupants									
Room #513	11:38 AM	75.4	35	1080	0.021	35	off	0	3	
Room #604	Skipped – No Occupants									
Background – Middle School quad	01:18 PM	69.4	57.2	275	0.005	--	--	--	--	
Library, eastern portion	01:20 PM	70.8	55.5	432	0.010	39	off	2	14	
Room #102	01:26 PM	73.5	47.7	692	0.009	32	off	0	0	
Room #205	01:32 PM	76.3	44.6	1550	0.012	30	off	1	0	
Background – High School quad	01:34 PM	70.5	52.3	284	0.005	7	--	--	--	
Room #402	01:38 PM	73.7	48.4	775	0.011	29	off	1	0	
Room #500A	01:42 PM	76.1	44.4	607	0.039	4	off	0	0	
Room #505	01:44 PM	75.3	46.3	420	0.061	30	off	2	0	
Room #511	01:48 PM	76.5	44	1468	0.027	29	on	1	0	
Room #605	01:52 PM	76.4	45.7	966	0.021	33	off	1	0	
Room #626	01:58 PM	76.7	47	889	0.007	42	off	1	--	
Background – Middle School quad	02:10 PM	68.9	56.3	271	0.006	--	--	--	--	
Room #102	02:16 PM	72.7	49.5	650	0.010	32	off	1	0	
Room #209	02:24 PM	73.2	44.5	1310	0.020	28	off	1	0	
Background – High School quad	02:28 PM	70.5	49.7	289	0.007	--	--	--	--	
Room #401	02:30 PM	72.1	54.6	741	0.067	27	off	1	0	
Room #502	02:32 PM	75.1	49.1	384	0.022	6	off	1	0	
Room #505	02:36 PM	73.5	51	464	0.055	27	off	2	0	
Room #511	02:38 PM	73.7	42.5	1286	0.011	22	on	1	0	
Room #604	02:40 PM	74.9	50.1	724	0.020	30	off	1	1	
Room #625	02:42 PM	74.3	52	750	0.010	33	off	1	0	
Background – Middle School quad	02:48 PM	71	51.1	284	0.005	--	--	--	--	

PANACEA, INC.
Environmental Services

INDOOR AIR QUALITY MONITORING

MONITOR: Steven Maitland and Eric Barragan
DATE: 11/07/13

INSTRUMENT: TSI DustTrak 8520, Serial No. 22810
PROJECT NAME: Malibu / Cabrillo

INSTRUMENT: TSI Q-Trak 7565, Serial No. 7565X1047020
PROJECT NO.: C13-7601TM

CALIBRATION: Pre-Calibrated by supplier
BUILDING NO./NAME: Cabrillo ES

LOCATION	TIME	TEMP. (C or F)	REL. HUM. (%)	CO2 (ppm, 1000)	DUST COUNT	OD	HVAC on or off	Doors Open	Windows Open	ADDITIONAL COMMENT
Criteria	NA	68.0 - 80.6	See Temp	700 + outdoor level (287) = 987	0.15 mg/m3	NA	NA	NA	NA	NA
Background – Between Buildings B and C	08:34 AM	68.8	38.6	290	0.017	--	--	--	--	
Room #5	08:38 AM	68.4	40.2	641	0.090	18	off	0	0	
Room #9	08:40 AM	71.4	40.8	880	0.048	27	off	1	0	
Room #13	08:44 AM	70.7	38.3	592	0.024	15	off	1	0	
Background – Between Buildings C and D	08:46 AM	70.5	38.2	280	0.010	--	--	--	--	
Cottage A	Skipped – No Occupants									
Library	Skipped – No Occupants									
Room #18	09:02 AM	70.5	40.4	1760	0.054	33	off	1	3	
Room #24	Skipped – No Occupants									
Background – Between Buildings B and C	09:30 AM	68.3	44.4	265	0.009	--	--	--	--	
Room #5	09:32 AM	70.3	42.8	1259	0.065	24	off	1	0	
Room #9	09:34 AM	72.6	40	830	0.030	27	off	1	0	
Room #12	Skipped – No Occupants									
Background – Between Buildings C and D	09:40 AM	74.7	31.6	305	0.007	--	--	--	--	
Cottage A	Skipped – No Occupants									
Library	Skipped – No Occupants									
Room #18	09:46 AM	74.1	36.5	1174	0.023	35	off	1	3	
Room #24	Skipped – No Occupants									
Background – Between Buildings B and C	10:00 AM	70.6	37.3	270	0.006	--	--	--	--	
Room #5	Skipped – No Occupants									
Room #9	10:26 AM	74	38.8	654	0.047	27	off	1	0	
Room #12	10:30 AM	73	37.5	540	0.026	20	off	0	0	
Background – Between Buildings C and D	10:32 AM	72.6	38	285	0.009	--	--	--	--	
Cottage A	Skipped – No Occupants									
Library	10:42 AM	72.5	37.2	396	0.016	14	off	3	0	
Room #18	10:44 AM	73.2	42.4	1540	0.023	35	off	1	3	
Room #24	10:50 AM	74.9	33.3	736	0.033	16	off	1	0	
Background – Between Buildings B and C	11:04 AM	75.5	24	268	0.012	--	--	--	--	
Room #5	11:06 AM	75.1	33.1	748	0.056	8	off	1	0	
Room #9	11:10 AM	76.4	30.2	708	0.035	29	off	1	0	
Room #15	11:14 AM	75.6	31.8	820	0.026	21	off	1	0	
Background – Between Buildings C and D	11:16 AM	75.3	31.3	276	0.020	--	--	--	--	
Cottage A	Skipped – No Occupants									
Library	11:20 AM	75.4	29	414	0.030	9	off	3	0	
Room #18	11:28 AM	73.2	37.6	1204	0.024	37	off	1	3	
Room #24	Skipped – No Occupants									
Background – Between Buildings B and C	11:48 AM	78.1	27.4	352	0.010	--	--	--	--	
Room #5	12:20 PM	76.6	28.2	446	0.043	20	off	2	0	
Room #9	12:24 PM	76.9	30.2	680	0.023	26	off	1	0	
Room #12	12:26 PM	75.2	32.1	924	0.026	24	off	2	0	
Background – Between Buildings C and D	12:28 PM	76.9	29.4	290	0.008	--	--	--	--	
Cottage A	Skipped – No Occupants									
Library	Skipped – No Occupants									
Room #18	12:32 PM	74.3	36.8	1213	0.032	30	off	1	3	
Room #24	12:38 PM	75.7	33.1	534	0.073	21	off	1	0	
Background – Between Buildings B and C	12:48 PM	73.3	33.7	308	0.007	--	--	--	--	
Room #3	12:50 PM	73.5	34.9	404	0.009	21	off	1	0	
Room #10	12:54 PM	74.5	35.9	700	0.042	20	off	1	0	
Room #15	12:56 PM	75.6	36.4	850	0.034	20	off	1	0	
Background – Between Buildings C and D	12:58 PM	79.1	31.2	281	0.006	--	--	--	--	
Cottage A	Skipped – No Occupants									
Library	01:00 PM	78.2	29.2	610	0.012	14	off	2	0	
Room #17	01:04 PM	74.3	33.4	400	0.002	20	off	1	1	
Room #24	Skipped – No Occupants									
Background – Between Buildings B and C	01:16 PM	72.9	40.6	302	0.009	--	--	--	--	
Room #5	12:00 AM									
Room #10	01:24 PM	73.6	47.2	640	0.043	22	off	1	0	
Room #15	01:26 PM	76	45.4	662	0.010	18	off	1	0	
Background – Between Buildings C and D	01:28 PM	77.6	45.7	289	0.007	--	--	--	--	
Cottage A	Skipped – No Occupants									
Library	Skipped – No Occupants									
Room #17	01:38 PM	74.4	44.7	600	0.035	21	off	1	0	
Room #24	01:42 PM	75.7	40.9	630	0.054	23	off	1	0	
Background – Between Buildings B and C	01:58 PM	71.1	48.1	325	0.010	--	--	--	--	
Room #5	02:04 PM	70.4	48.4	327	0.018	6	off	1	0	
Room #11	02:06 PM	73	45.6	388	0.012	21	off	2	0	
Room #12	02:08 PM	73.2	43.2	524	0.057	19	off	1	0	
Background – Between Buildings C and D	02:18 PM	71.4	41.9	264	0.008	--	--	--	--	
Cottage A	02:20 PM	76	38	464	0.046	14	off	1	0	
Library	Skipped – No Occupants									
Room #18	02:28 PM	72	46.2	620	0.050	30	off	1	3	
Room #24	02:28 PM	75.2	34.2	661	0.020	22	off	1	0	
Background – Between Buildings B and C	02:30 PM	70.3	48.2	281	0.009	--	--	--	--	
Background – Between	02:38 PM	72.1	46.3	282	0.007	--	--	--	--	

Lyon, Sandra

From: Wilson, Patrick [mailto:Wilson.Patrick@epa.gov]
Sent: Friday, December 20, 2013 1:14 PM
To: Lyon, Sandra
Cc: Baylor, Katherine; Armann, Steve; Huetteman, Tom; Keener, Bill; Mogharabi, Nahal; Wilson, Patrick; Mark Katchen; Jennifer deNicola
Subject: Malibu High School Interim Cleanup Plan

Sent on behalf of S. Armann:

Dear Superintendent Lyon:

Thank you for the opportunity to review the district's interim subject work plan for Malibu High School. The plan, transmitted to EPA this morning titled "Limited PCB Remediation, Verification Sampling Work Plan for Malibu High School/Middle School" is appropriate for this project and is acceptable to **EPA only** with the conditions below.

As I mentioned at the board meeting on 12 December, the district's interim cleanup plan does not require EPA Approval.

Based on the information received this morning, and as we understand it, the plan generally involves the following:

- The plan covers pre- and post-sampling in certain rooms in building E, the library and music rooms.
- Pre cleaning air and wipe samples in rooms that were not previously sampled.
- HEPA vacuuming around windowsills, followed by wet cloth cleaning.
- Wet cleaning of all accessible surface areas (wall, floors, desks, etc).
- Post-sampling of air and surfaces (wipe sampling).
- Cleaning of the "ventilation" system will be limited to wet wiping. We understand that what has previously been referred to as a ventilation system in these particular rooms is actually a room heating system without any ducting.

Please note, EPA's acceptance of the plan is conditioned on the following:

- Verification sampling of the air (post-cleaning) be conducted as described in the plan with the additional requirement that all windows in the rooms tested shall be closed.
- Notification to EPA 72 hours prior to conducting verification air sampling. EPA will send a staff member from the San Francisco Region IX Office to be on-site. Our sampling & analysis expert will collect a limited number of independent samples to ensure quality control, and our staff member will also be on-site to review chain of custody procedures.

It is important to note that this interim plan is separate from the cleanup plan necessary to address PCB impacted caulk at Malibu H.S. The School District will need to submit, for EPA review and approval, a cleanup plan that will address the PCB impacted caulk in and around the buildings at Malibu High School. EPA looks forward to receiving that plan and will work with the Santa Monica-Malibu Unified School District to ensure the cleanup is efficient and effective.

Steven S. Armann, Manager
RCRA Corrective Action Office
USEPA Region 9
75 Hawthorne Street
San Francisco, CA 94105

Phone: 415-972-3352
Fax: 415-947-3533
Email: armann.steve@epa.gov

Lyon, Sandra

From: Mark Katchen <mkatchen@phylmar.com>
Sent: Tuesday, November 26, 2013 12:57 PM
To: lgrillo@nycsca.org
Cc: Lyon, Sandra; Mechur, Ralph (External)
Subject: Contact Information

Ms., Grillo:

Thank you again for taking time to speak with me regarding the New York SCA's PCB program. I'll be sure to share your experiences with the Santa Monica-Malibu Unified School District's staff and Board. The information is very valuable.

My contact information is listed below. Any information, in addition to the documents already providing by Alex Lempert of your staff, would be very appreciated.

Best regards,

Mark

Mark Katchen, CIH
Managing Principal
The Phylmar Group, Inc.
310-474-3937
310-446-1826 (fax)
www.phylmar.com
Empowering Communities of Environmental Health and Safety/Sustainability Professionals

Lyon, Sandra

From: Mark Katchen <mkatchen@phylmar.com>
Sent: Tuesday, November 26, 2013 9:24 AM
To: Elaine Rene-Weissman
Cc: Lyon, Sandra
Subject: RE: soil testing

Elaine, everything that we do going forward will have to be coordinated with the agencies (especially regarding PCBs) now that they are involved. Unfortunately, this inevitably will slow down the process. Next steps include formalizing the working relationships with the agencies and then preparing work plans for their review and approval.

Mark

Mark Katchen, CIH
Managing Principal
The Phylmar Group, Inc.
310-474-3937
310-446-1826 (fax)
www.phylmar.com
Empowering Communities of Environmental Health and Safety/Sustainability Professionals

From: Elaine Rene-Weissman [mailto:elaine@erwdesign.com]
Sent: Tuesday, November 26, 2013 9:10 AM
To: mkatchen@phylmar.com
Subject: soil testing

Hello Mark,
There have been lots of queries about soil testing at Cabrillo and additional soil testing at MHS.

What's the status of this?

Thanks,

Elaine René-Weissman, Architect + LEED AP
SMMUSD District Liaison
ERW DESIGN
6624 Dume Drive
Malibu, CA 90265
310 457 1809 t
www.erwdesign.com

Lyon, Sandra

From: Ralph Mechur <ralph@rmechurarchitects.com>
Sent: Sunday, November 24, 2013 4:32 PM
To: Mark Katchen
Cc: Lyon, Sandra
Subject: Re: contact request

Lorraine Grillo's contact number is 718 472-8001

Thanks,

Ralph

On Nov 23, 2013, at 6:56 PM, Mark Katchen wrote:

> Ralph, could you resend Lorraine's contact information. I will follow
> up with her and get back to you.
>
> Thanks.
>
> Mark
>
> Mark Katchen
>
>> On Nov 22, 2013, at 6:36 PM, Ralph Mechur
>> <ralph@rmechurarchitects.com
>> > wrote:
>>
>> Hi Mark,
>>
>> I have had a request to confirm if the NYC schools contact, Lorraine
>> Grillo, worked out. It came from a Congressman's office and they are
>> just following up.
>>
>> Sincerely,
>> Ralph Mechur, Boardmember
>>
>>
>> Ralph Mechur Architects
>> 3400 Airport Avenue, Suite 5
>> Santa Monica, CA 90405
>> t: 310-398-2940
>>
>>
>>
>>

Ralph Mechur
Ralph Mechur Architects

3400 Airport Avenue, Suite 5
Santa Monica, CA 90405
t: 310-398-2940

Lyon, Sandra

From: Mark Katchen <mkatchen@phylmar.com>
Sent: Saturday, November 23, 2013 6:56 PM
To: Mechur, Ralph (External)
Cc: Lyon, Sandra
Subject: Re: contact request

Ralph, could you resend Lorraine's contact information. I will follow up with her and get back to you.

Thanks.

Mark

Mark Katchen

> On Nov 22, 2013, at 6:36 PM, Ralph Mechur <ralph@rmechurarchitects.com> wrote:
>
> Hi Mark,
>
> I have had a request to confirm if the NYC schools contact, Lorraine
> Grillo, worked out. It came from a Congressman's office and they are just following up.
>
> Sincerely,
> Ralph Mechur, Boardmember
>
>
> Ralph Mechur Architects
> 3400 Airport Avenue, Suite 5
> Santa Monica, CA 90405
> t: 310-398-2940
>
>
>
>

Wahrenbrock, Sarah

From: Mark Katchen <mkatchen@phylmar.com>
Sent: Monday, December 09, 2013 10:26 AM
To: Wahrenbrock, Sarah
Subject: RE: SMMUSD Board of Education Meeting: Dec. 12. 2013

Sarah, I will be the only one coming from Phylmar.

Mark

Mark Katchen, CIH
Managing Principal
The Phylmar Group, Inc.
310-474-3937
310-446-1826 (fax)
www.phylmar.com
Empowering Communities of Environmental Health and Safety/Sustainability Professionals

From: Wahrenbrock, Sarah [mailto:swahrenbrock@smmusd.org]
Sent: Monday, December 09, 2013 10:14 AM
To: wilson.patrick@epa.gov; armann.steve@epa.gov; sblack@dtsc.ca.gov; Cyrus Rangan (crangan@ph.lacounty.gov) (crangan@ph.lacounty.gov); abellomo@ph.lacounty.gov
Cc: Lyon, Sandra; Lieberman, Laurie; mkatchen@phylmar.com
Subject: FW: SMMUSD Board of Education Meeting: Dec. 12. 2013

Dear All,
In order to make sure I have an accurate head count and the correct name plates, please confirm who from your organizations will participate in this Thursday's study session. Thank you!

Thank You,
Sarah Wahrenbrock
Assistant to the Superintendent
Santa Monica-Malibu Unified School District
310.450.8338 x70-229
310.581.1138 (fax)

From: Wahrenbrock, Sarah
Sent: Wednesday, December 04, 2013 3:23 PM
To: wilson.patrick@epa.gov; armann.steve@epa.gov; 'sblack@dtsc.ca.gov'; Cyrus Rangan (crangan@ph.lacounty.gov) (crangan@ph.lacounty.gov); 'abellomo@ph.lacounty.gov'
Cc: Lyon, Sandra; Lieberman, Laurie; mkatchen@phylmar.com
Subject: SMMUSD Board of Education Meeting: Dec. 12. 2013

Dear All,

Superintendent Lyon would very much appreciate it if you could be available during the study session (part of the regular Board of Education meeting) addressing the environmental concerns in Malibu on Thursday, December 12, 2013, at 6:00pm. The meeting will be at Malibu City Hall in the city council chambers (23825 Stuart Ranch Road, Malibu, CA 90265 – first floor).

The agenda item reads:

> *This study session is designed to allow the Board of Education to be fully updated about the environmental concerns at Malibu High School and Juan Cabrillo Elementary School. The board will be given an overview of the preliminary work done to date, including preliminary test results, as well as hear recommendations for a plan of action, including hiring an environmental engineering firm and the implementation of best management practices.*
>
> *Representatives from the Environmental Protection Agency, Region 9; the Department of Toxic Substance Control; and the Los Angeles County Department of Public Health will participate in the study session to answer board members' questions and explain their respective roles in the district's next steps.*

Please let me know if you will be available to attend. Thank you!

Thank You,
Sarah Wahrenbrock
Assistant to the Superintendent
Santa Monica-Malibu Unified School District
310.450.8338 x70-229
310.581.1138 (fax)

Maez, Jan

From: Laurie Lieberman <lieberman@hlkklaw.com>
Sent: Wednesday, December 04, 2013 6:07 PM
To: Lyon, Sandra; Maez, Jan; Mark Katchen
Subject: Fwd: Greenwich High School / contamination example

Sent from my iPad

Begin forwarded message:

From: Jennifer DENICOLA <jd18@me.com>
Date: December 4, 2013 at 11:34:15 AM PST
To: Laurie Lieberman <llieberman@smmusd.org>
Subject: Fwd: Greenwich High School / contamination example

communications:

http://www.greenwichschools.org/page.cfm?p=10019

http://www.greenwichtime.com/news/article/Bob-Horton-Truth-about-PCBs-still-buried-4337625.php

http://greenwich.patch.com/groups/bill-effross-blog/p/secret-meeting-foia-complaint

http://www.greenwichtime.com/news/article/Toxins-found-in-groundwater-at-Greenwich-High-3497824.php

Plan:

http://www.greenwichschools.org/uploaded/district/Board_of_Education/meeting_materials/2013-2014_meetings/9-19-13_meeting/91913_FINAL_Draft_Remedial_Action_Plan.pdf

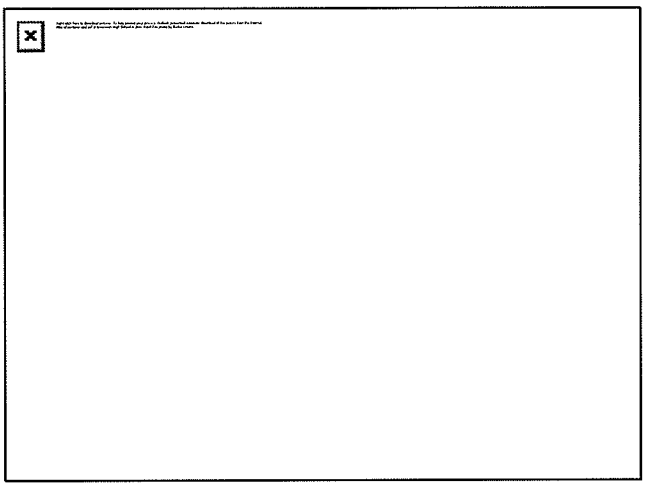
http://greenwich.patch.com/groups/schools/p/greenwich-hs-soil-remediation-cost-pegged-at-13-to-17-million

Greenwich HS Soil Remediation Cost Pegged at $13 to $17 Million

Plans to remove contaminated from the Greenwich High School campus will take two summers, and if approved by federal and state regulators, will begin in 2014.

Posted by Barbara Heins (Editor) , September 20, 2013 at 06:00 AM

1 Comment Recommend



Piles of contaminated soil at Greenwich High School in 2011. Patch File photo by Barbara Heins.

Two things are for certain, to remove the soil contaminated with arsenic and PCBS from the Greenwich High School campus—it's going to take a lot of time...and a lot of money.

In a presentation to the Greenwich Board of Education Thursday night, Greenwich Department of Public Works Commissioner Amy Siebert and environmental consultant Malcolm Beeler, project manager for AECom, laid out the cleanup schedule, development implications and more importantly, the costs involved with removing the contaminated soil from the 10-plus acre campus on Hillside Road.

If the plan to scour up to three-feet of soil from certain athletic fields on the campus is approved by the federal Environmental Protection Agency, the state Department of Energy and Environmental Protection and the state Department of Health, and funding is approved by various town agencies including the Board of Estimate and Taxation and the Representative Town Meeting, the two-year project could begin in summer 2014, according to Siebert.

The project would be the culmination of two years of testing and analysis of soil that was found to be contaminated back in 2011 when preliminary work for an auditorium expansion project began.

Siebert and Beeler gave a 40-minute presentation and answered questions from the board Thursday night in the board's headquarters, the Havemeyer Building.

The plan is "Highly protective of health and human environment and in compliance in state and federal regulations," Beeler said. He said that the work on the project will mean "restricted access" to the high school which will prompt the relocation of summer school classes to Central Middle School as well as town Parks and Recreation Department athletic programs. At best, minimal school maintenance staff will be allowed in the school during the project, Beehler said.

Siebert said that project is now estimated to cost $13 to $17 million as opposed to estimates of $13 to $20 million and estimates that board members said hedged close to the $100 million mark.

The remediation plan—which is posted on the Board of Education website and the Greenwich High School website—is now in the "comment phase," according to Siebert. The public may post comments about the proposal on the websites until Oct. 5, before the federal and state agencies begin their deliberations. Officials are hoping those federal and state approvals will come by January.

If those approvals come through, it will allow the Board of Ed, via the Department of Public Works, to seek funding approvals from town agencies. Siebert said the town will seek to pre-approve environmental excavation contractors who would be eligible to bid for the work, to minimize contractual negotiation time.

"We don't want your typical backyard excavator" bidding on the job, Siebert said.

Regarding cost, Siebert said the cost range was $13 to $20 million. "The cost estimate is more like $13 to $17 million...we're hopeful...we're hopeful it will stay in that range and hopeful that it will be in lower range." Board member Nancy Kail said the estimate is far less than previously reported estimates that hovered close to $100 million.

Conducting the soil removal and replacement work will mean coordination among various town departments and contractors as the Music and Instructional Space and Auditorium (commonly known as MISA) continues, Siebert and Beeler said.

"It will be great to coordinate with MISA.....let us get in there and get it done," Siebert said.

There weren't any objections voiced by the education board which is now scheduled to take a vote on the proposal at its October meeting.

Board of Estimate and Taxation Chair Michael Mason said following the meeting, that the plan "Seems to be a reasonable level of remediation in the plan to increase the confidence that there isn't any danger for anyone as the property is currently used for." He added, "The BET will have the opportunity to review the plan and make decisions on funding, method of funding. We will want to know the all in costs including traffic control. Legal cost, project management, general conditions etc."

There are many ramifications the project will have, if approved.

Among them:

- Summer school classes for GHS students in 2014 and 2015 will be held elsewhere, most likely Central Middle School.
- "The first remedial action would occur during the summer break of summer 2014...in the areas around west parking lot and some areas of southeast corner," Beeler said. Construction would end before school starts....."and pick up and complete in summer 2015, (however, it

is) weather dependent. If something major happens, we may have to reschedule and it will take three years."

- No one other than construction crews and high school building maintenance personnel would be allowed on the campus.
- There will be air monitoring during all work, measuring contaminants in dust created by the excavation.
- There will be barriers to prevent storm water runoff from the site.
- Upon completion of excavation, soil and grass replenishment will be either sod or soil and grass seed. There also will be a tree and landscape replacement plan, Beehler said.
- All personnel will be subject to health monitoring.
- Deed restrictions regarding future construction and utility installation will be placed on land records.

http://www.nytimes.com/2005/07/04/nyregion/04pcbs.html?_r=1&

Tainted Soil to Be Removed Next to Westchester School

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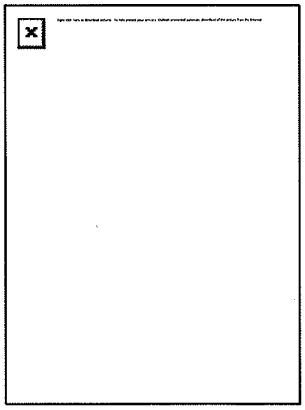
- Save Article

By BARBARA WHITAKER

Published: July 4, 2005

In what state health officials call the first cleanup of its kind in the state, a school district in Westchester County is planning to remove soil next to an elementary school in Yorktown Heights because the soil is contaminated by PCB's from caulking in the school's windows.

Enlarge This Image



Susan Farley for The New York Times

Dr. Daniel Lefkowitz requested tests on scraps of caulk left after maintenance at French Hill Elementary School, where his son, Evan, is a student. The tests found PCB's at 350 times above the federal limit.

The cleanup at French Hill Elementary School, which will cost the district about $100,000, was prompted by a parent who had scraps of the caulking tested and found PCB's at 350 times above the federal limit. Soil around the school also showed evidence of PCB contamination, though at lower levels. PCB's, or polychlorinated biphenyls, which were banned in 1977, have been linked to developmental problems in children.

School officials have fenced off parts of the school outside near many of its windows and are seeking bids from contractors to clean up the contaminated soil. They hope the work can be completed by the time the children return in September.

A spokesman for the State Department of Health said the cleanup was the first the agency was aware of involving PCB contamination from caulk.

"We're kind of at the forefront here," said Dennis Verboys, director of facilities with the Yorktown Central School District. "Had we not had the overzealous community member, we never would have tested."

Dr. Daniel Lefkowitz, whose 7-year-old son attends the school, raised questions about possible contamination after reading a 2004 Harvard University study, which found that PCB's from caulk had contaminated schools and buildings in the Boston area. Knowing that the school's windows had been removed and replaced in 2003, and that the building was constructed when PCB's were used in caulk, Dr. Lefkowitz searched outside the building, found scraps of caulk left behind and had them tested.

Production of PCB's, which are flame-resistant, was banned in the United States in 1977, but they had been widely used in caulk and other building materials. Studies have shown that PCB's can cause developmental problems in infants and in children born to women exposed to the compounds during pregnancy. PCB's can also pose a risk of cancer, health experts say.

Westchester County Health Department officials say the contamination at the school does not present a health risk, but school officials say the contamination is sufficient under state and federal guidelines to require the cleanup. Dr. Lefkowitz, a podiatrist, is pressing for further testing at the school.

While there is growing concern among scientists about PCB's in caulk, many questions remain unanswered. For example, how commonly were PCB's used in caulk? Are PCB's migrating from the material and contaminating areas inside and outside buildings where they were used? If so, is the contamination at a level requiring removal? What are the health risks?

"This is something just coming on the radar screen," said Rich Cahill, a spokesman for the United States Environmental Protection Agency in the New York region. "There are efforts to quantify the risk associated with it, but at this point it's unknown."

Robert Herrick, who led the study by the Harvard School of Public Health, compared the issue to that of lead paint, which was used for many years, contaminating buildings and homes and causing health problems in children. "PCB's are really potent developmental toxins," he said. "We want to minimize exposure for kids."

Of 24 buildings tested around Boston in the Harvard study, eight contained caulking material with PCB's exceeding 50 parts per million, the highest level allowable under federal guidelines. In addition, PCB levels in the indoor air and dust taken from the buildings revealed varied levels of contamination.

Dr. Herrick noted that in Finland, studies had found a correlation between PCB's in caulk and PCB's in the air as well as in the blood of construction workers handling the materials during renovations. In Germany, he said, a study found elevated blood levels of PCB's in teachers working in schools with contaminated caulking.

The study recommended random testing in schools, hospitals and other masonry buildings constructed or renovated during the time PCB's were used in caulk, commonly from 1960 to 1977. The caulk was typically used in brick buildings.

"The E.P.A. requires you to clean it up if you find it, but they don't require you to look for it," Dr. Herrick said. "We need to pull together data to determine if there is a health risk."

Little is being done at the state level to address the issue. The State Education Department has notified schools of the findings in Dr. Herrick's study through a newsletter. Assemblyman Thomas P. DiNapoli, the chairman of the Assembly's Committee on Environmental Conservation, said he was considering sponsoring legislation that would finance a pilot program to test for contaminated caulk in schools and perhaps other buildings.

But environmental groups expect that advancing such legislation will be difficult. "What schools have a tendency to do is have a 'don't ask, don't tell' approach - they're afraid if you find something, then you'll have to do something about it," said Kathleen Curtis, executive director of the Citizens' Environmental Coalition, an Albany-based advocacy group. "School districts are tight on money. There's been a tremendous amount of difficulty getting a bill passed to test for lead in school water fountains."

New England Journal of Medicine 1996 Sep 12;335(11):783-9.

Intellectual impairment in children exposed to polychlorinated biphenyls [PCBs] in utero.

http://www.ncbi.nlm.nih.gov/pubmed/8703183

Lyon, Sandra

From: Wilson, Patrick [mailto:Wilson.Patrick@epa.gov]
Sent: Thursday, December 19, 2013 4:04 PM
To: Jennifer deNicola
Cc: Lyon, Sandra; elaine@erwdesign.com; Armann, Steve; Cota, Thomas@DTSC (Thomas.Cota@dtsc.ca.gov)
Subject: Malibu High School PCB Question/Answers

Good Afternoon Jennifer & Elaine,

Steve Armann shared the message captured below & asked me to reply to your questions. Please don't hesitate to contact me directly if we can offer additional clarifications. Our responses are captured in blue font.

Best Regards...

..patrick

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United States Environmental Protection Agency

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Elaine:

I just want to make it clear that what I did was put in "my own words" a brief summary for parents, not transcribe the study session. I did this so parents who have not watched the study session could see a glimpse of what was said. These are parent questions and I want the parents to see the answers to their questions.

Just wanted to clear that up.
Thanks,
Jen

On Dec 18, 2013, at 4:34 PM, Elaine Rene-Weissman wrote:

Hello All,

Jennifer transcribed the Q+A portion of the Board of Ed study session.

Below are my comments, in blue.

2:00:45 EPA: Dust samples need to come down. Good cleaning is needed before long term plan is implemented. **WHAT ARE ACCEPTABLE REDUCTION LEVELS?**

EPA would prefer that all wipe sample results remain below 10 ug/100 cm2. However, this is a regulatory level or trigger under the Toxic Substances Control Act (TSCA) rather than a health or risk-based guideline similar in nature to the health-based guideline that we have developed for air.

2:02:00 EPA: After school cleaning EPA will do a verification sample post clean-up.
WILL THIS BE A HEPA CLEANING OR DEEP CLEANING OR BOTH?

It is our current understanding that the cleaning will consist of vacuuming with a HEPA filter & wiping down impacted surfaces with a wet cloth. This approach is consistent with our "Best Management Practices". Cleaning of the ventilation system should also be included.

Steve A: EPA fully intends to look for other PCB sources **WHAT IS THE TIMETABLE?**

EPA will require a visual inspection of selected rooms to determine if additional sources of PCBs exist. However, should air sampling results continue to remain below our health-based guidelines, then it is probably not necessary to remove other sources. If the findings from additional air samples exceed EPA's health-based guidelines for air, then evaluation & mitigation of the other sources of PCBs will be necessary. EPA has committed to reviewing & turning around any remediation plans submitted by the district within one calendar week.

2:22:25 Should kids dig in soil and at Cornucopia?

EPA has not reviewed any data from this portion of the campus – therefore we are not in a position to comment on potential levels of contamination at Cornucopia.
Steve A: we have no data, we cannot make any conclusion **CORNUCOPIA TO BE PART OF NEW TESTING?**

If this portion of the campus is included in the long-term sampling & analysis plan – then it will be part of the additional testing regime.

2:24:05 What does a soil testing of the entire property look like?
Tom (DTSC): We have not seen anything in the soil that is an acute threat. Nothing higher than 1.04ppm for PCBs.

SO WE DON'T TEST ENTIRE PROPERTY?

Tom Cota – Calif. Department of Toxic Substances Control issue.

2:34:10 If the PCBs levels are "safe" why are we having so many health conditions? (This will be redirected to Public Health Department) **HOW DO WE COMPARE TO ANY OTHER SCHOOL POPULATION? ARE THERE SUCH STUDIES?**

The vast majority of health conditions – particularly chronic health conditions like cancer – are influenced by many factors. EPA considers these health conditions to be multi-factorial in nature. The concentrations of PCBs found from the limited & preliminary airborne sampling & analysis to date, remain below the concentrations that EPA has associated with the development of cancer.

2:44:00 Process?
EPA promises a one week turn around to approve a pre-vetted testing plan. Interview for environmental Engineering firms to be early January. EEF will create a testing plan, then submit to EPA. Testing occurs quickly, approx 2 week lab turn around, then EEF will crunch data. Takes EEF about 20-30 days to do a summary report, during this time, the EPA will look at raw data. As per DTSC, soil sample and gas takes 1 day. The analytical time for lab is longest, 2-3 weeks. Tom Cota, DTSC says cleanup needs to happen when kids are not present.
WHEN IS THERE SUCH A TIME?

2:57:40 We have all read about what has gone on in NY. The concern is cleaning the schools in NY did not reduce the airborne PCBs. PCBs were absorbed into other materials around it, like the particle board and drywall. These schools now ventilate the air every day, removing toxins from the air. **WOULD THIS BE ACCEPTABLE TO MALIBU?**

Ventilation is necessary in certain classrooms in New York because these rooms continue to suffer with elevated PCB concentrations which remain above EPA's health-based guideline for schools. These rooms have had the primary source (caulk, paint, mastic, etc) of PCBs removed - yet continue to demonstrate levels of PCBs above the Agency's health-based guidelines. We have not observed this level of contamination in air nor caulk at Malibu High School based upon the current, albeit limited, dataset.

03:00:45 Can you explain the outdoor background air vs. indoor air? EPA: sometimes the outdoor air contains elevated toxins that are over the 1 in 1M target. We do not know the levels in Malibu. This is the nature of our environment. **WILL WE TEST MALIBU 'TYPICAL' LEVELS?**

EPA has observed anthropogenic background concentrations of PCBs in outdoor or ambient air within the same order of magnitude as the concentration of PCBs that is equivalent to a 1 in a million excess risk of developing cancer. 0.004 ugPCB/m3 of air is roughly equivalent to a 1 in 1 million excess cancer risk under long-term & residential type exposure scenarios. 0.003 ugPCB/m3 of air has been measured in ambient or background urban air samples in the US. The Agency will request an outdoor air or ambient air sample to be included in the expanded sampling & analysis plan.

Unfortunately, in the United States a number of chemical contaminants are present at background concentrations which either exceed or are roughly equivalent to a 1 in 1 million excess risk of developing cancer.

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