

ADDENDUM # 2

**CITY OF TORRANCE
3031 Torrance Blvd.
Torrance, CA 90503**

BID NO. B2022-11

Bid for Fire Alarm Detection System at Greenwood Center

ADDENDUM # 2- Issued 04/06/2022

THE FOLLOWING CHANGES ARE HEREBY INCORPORATED INTO AND MADE A MANDATORY PART OF SUBJECT BID:

CLARIFY: The Bid Due Date remains on **Wednesday, April 13, 2022 by 3:00 PM** in the Office of the City Clerk, 3031 Torrance Blvd., Torrance, CA 90503.

CLARIFY: Attached is the Ellis Environmental report for asbestos and lead.

Below are questions/concerns raised during the bid preparation period with answers in bold:

1. According to code we are to provide access to each devices so are we to provide hatches to each heat detector for testing and service?

Contractor to supply and install 24" x 24" lockable access panels where we have the heat detectors above hard lid ceilings.

2. The plans call for combo CO/Smoke detectors – (fossil fuel burner) – Want to verify this is the correct detector.

Combo sensors are required as we have gas furnaces in the classrooms.

3. The sequence of operation does not address CO sensor activation.

Local alarm and trouble alert at the panel.

4. Are we to submit plans to the city for approval or assume the plans provided are the approved set?

Plans have already been reviewed and approved by the city.

Please return this addendum with your bid proposal. Failure to acknowledge addenda and submit it with your proposal may render the proposal non-responsive and cause it to be rejected. I hereby acknowledge receipt of this addendum.

Name of Company

Address

City State Zip Code

Memo

To: Mr. Gary McCoy
City of Torrance

VIA: e-mail

CC: 18-362

From: Duane Behrens Cal-OSHA Cert. 92-0226, CDPH #7914

Phone: (310) 544 1837

email: duanebehrens@ellisenvironmental.com

Date: August 20, 2018

RE: ***Bulk Sampling for Asbestos and Lead – Stucco, Paint and Plaster
1520 Greenwood Ave Torrance CA***

On August 9, 2018, Ellis collected samples from interior and exterior wall finishes at the subject site. Samples were collected from materials, surfaces and locations as directed by Client. All samples were delivered to AmeriSci Labs in Carson California, for analysis by the Method listed on the front page of each lab report. Results are summarized below:

1. No asbestos was detected at concentrations greater than 0.1 % in any of the materials sampled.¹ An abatement contractor is not required for removal; normal construction waste.
2. The following paint types are considered to be “lead-based” (>.06% lead by weight): white paint on ext. overhang, interior white paint on plaster, and beige exterior window paint. Any disturbance should be performed by a licensed abatement contractor.
3. No lead was detected in paint applied to beige stucco, interior white ceiling tiles, or white restroom wall paint.

Mechanical grinding or torching of painted surfaces with any lead content may trigger the requirement for an “initial exposure assessment” as defined in Cal OSHA S1532.1. Please call with any questions.

Removal of asbestos and lead materials is regulated under California Title 8 §1529 and §1532.1 , which also require personal monitoring of employees performing the removal. **Analysis results as reported are not intended and should not be interpreted as a survey of the entire building or facility.** Nor are they an endorsement or rejection of the use, handling or transport of potentially hazardous materials. Ellis provides Phase I environmental site assessments (ESAs), monitoring for indoor contaminants (IAQ studies), testing for and administration of the removal of potentially hazardous building materials. Licensed in the state of California, employees conducting asbestos surveys are certified by Cal-OSHA pursuant to regulations required by subdivision (b) of Section 9021.5 of the Labor Code, and have taken and passed an EPA-approved Building Inspector course. Retained laboratories are accredited by the EPA AREAL, NIOSH, DOHS, AIHA, NVLAP and CARB.

¹ Initial results indicated “<1% asbestos” in interior plaster. More detailed analyses indicated “0.1% asbestos.”

<u>REF.</u>	<u>MATERIAL</u>	<u>MATERIAL LOCATION</u>	<u>FRIABLE</u>	<u>DAMAGE</u>	<u>% ASB</u>	<u>QTY*</u>	<u>UNIT</u>
<u>IDENTIFIED ASBESTOS MATERIALS</u>							
	none identified						
<u>NON-ASBESTOS MATERIALS</u>							
A1, A2, A3	exterior stucco	throughout	-	-	-	-	-
A4, A5, A6	interior plaster	throughout	-	-	<0.1% ¹	-	-
A7, A8, A9	interior plaster button board	throughout	-	-	-	-	-
A10, A11, A12	ceiling tiles	throughout	-	-	-	-	-
A13, A14, A15	ceiling tile mastic	throughout	-	-	-	-	-
A16, A17, A18	closet wallboard/joint compound	throughout	-	-	-	-	-
A19, A20, A21	textured wallboard/joint compound	restrooms	-	-	-	-	-
A22	beige 12-inch floor tile & mastic	throughout	-	-	-	-	-
A23	old 4-inch cove base & mastic	throughout	-	-	-	-	-
A24	newer 6-inch cove base and mastic	throughout	-	-	-	-	-
A25, A26, A27	joint compound	throughout	-	-	-	-	-
1. Building materials with less than 0.1% asbestos content are not regulated by state or local agencies.							

Table 1
Asbestos Results Summary

1520 Greenwood Ave.

Sample Date: August 9, 2018

Torrance, CA

Proj. #18-362 **Ellis**

<u>REF.</u>	<u>MATERIAL</u>	<u>LEAD %</u>	<u>RESULT</u>
L1	white overhang paint	0.59	lead-based paint
L2	exterior beige stucco paint	<0.01	non-lead containing
L3	interior white paint on plaster	0.082	lead-based paint
L4	white ceiling tile paint	<0.01	non-lead containing
L5	beige window paint	0.96	lead-based paint
L6	white restroom wall paint	<0.01	non-lead containing

Table 2 Lead Paint Results
Summary 1520 Greenwood
Ave.

Ellis Torrance, CA

Sample Date: August 9, 2018 Proj.# 18-362

* Green line represents lead-based (0.59% - 0.96%) white overhang paint and beige window paint found through-out building. Blue hatch shows lead-based (0.082%) interior white paint on plaster through-out building.



Figure 1: Material Locations
 City of Torrance- Greenwood School
 1520 Greenwood Ave.
 Torrance, CA 90503

Firm Name and Address
 Ellis Environmental Mgmt, Inc.
 430 Silver Spur Rd., Suite 201
 Rancho Palos Verdes, CA 90275

Client Name and Address
 City of Torrance
 Greenwood School
 3031 Torrance Blvd.
 Torrance, CA 90503

Project #	18-362	Sheet
Date	08/22/2018	1 of 1
Ellis		

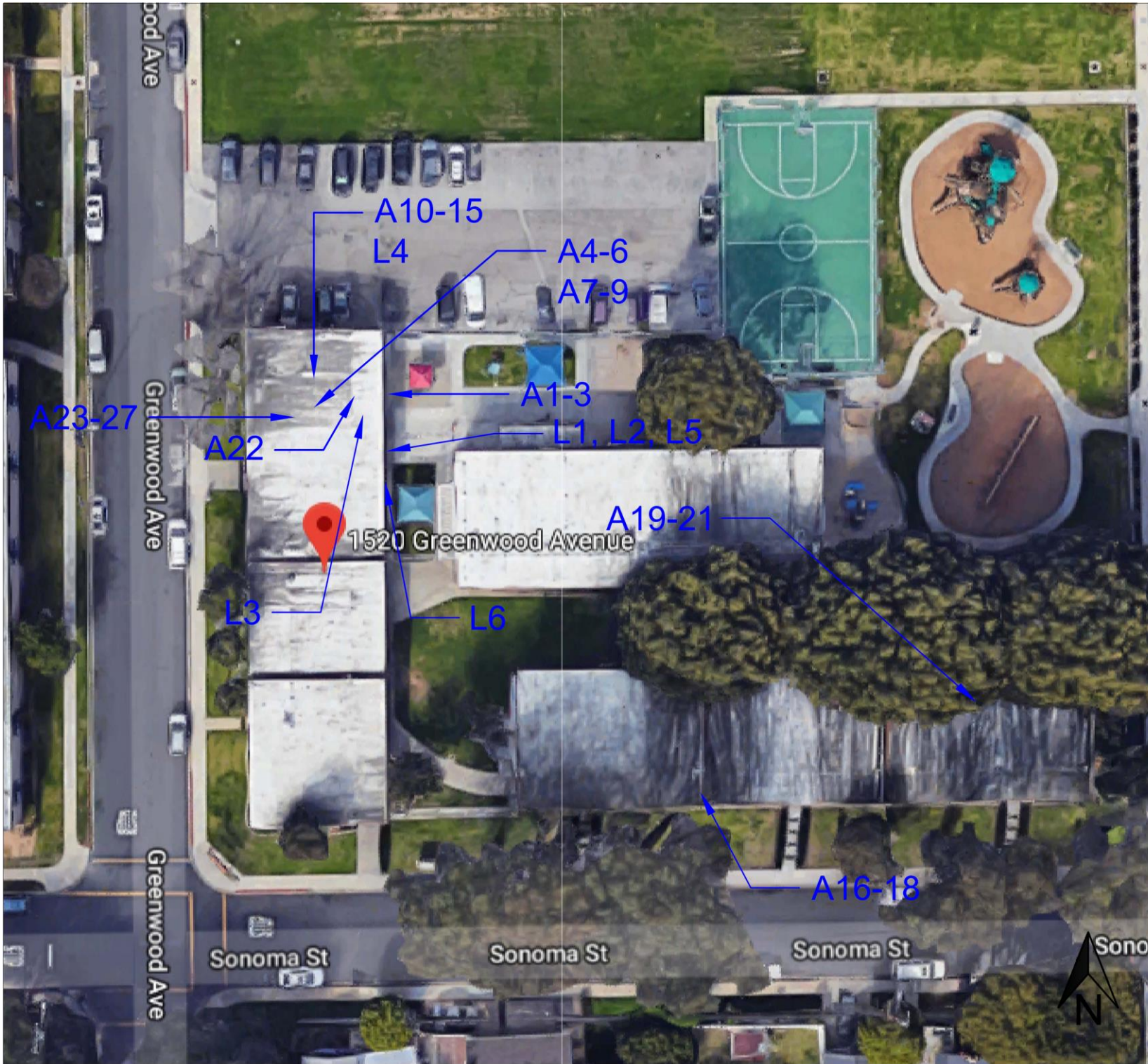


Figure 2: Sample Locations
 City of Torrance- Greenwood School
 1520 Greenwood Ave.
 Torrance, CA 90503

Firm Name and Address
 Ellis Environmental Mgmt, Inc.
 430 Silver Spur Rd., Suite 201
 Rancho Palos Verdes, CA 90275

Client Name and Address
 City of Torrance
 Greenwood School
 3031 Torrance Blvd.
 Torrance, CA 90503

Project #	18-362	Sheet
Date	08/22/2018	1 of 1
Ellis		



AmeriSci Los Angeles

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

PLM Bulk Asbestos Report

Ellis Environmental Management, Inc.
Attn: Duane Behrens
430 Silver Spur Road
Suite 201
Rancho Palos Verdes, CA 90275

Date Received 08/10/18

Date Examined 08/14/18

RE: 18-362; Torrance; 1520 Greenwood

AmeriSci Job # 918081558

P.O. #

Page 1 **of** 7

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
A1 Location: Ext. Stucco Analyst Description: Beige, Heterogeneous, Non-Fibrous, Cementitious, Stucco Asbestos Types: Other Material: Non-fibrous 100 %	918081558-01	No	NAD (by CVES) by Sandar Hein on 08/14/18
A2 Location: Ext. Stucco Analyst Description: Beige, Heterogeneous, Non-Fibrous, Cementitious, Stucco Asbestos Types: Other Material: Non-fibrous 100 %	918081558-02	No	NAD (by CVES) by Sandar Hein on 08/14/18
A3 Location: Ext. Stucco Analyst Description: Beige, Heterogeneous, Non-Fibrous, Cementitious, Stucco Asbestos Types: Other Material: Non-fibrous 100 %	918081558-03	No	NAD (by CVES) by Sandar Hein on 08/14/18
A4 Location: Int. Plaster Analyst Description: Yellow/White, Heterogeneous, Non-Fibrous, Cementitious, Plaster Asbestos Types: Chrysotile <1. % Other Material: Non-fibrous 100 %	918081558-04	Yes	Trace (<1 %) (by CVES) by Sandar Hein on 08/14/18
A5 Location: Int. Plaster Analyst Description: Yellow/White, Heterogeneous, Non-Fibrous, Cementitious, Plaster Asbestos Types: Chrysotile <1. % Other Material: Non-fibrous 100 %	918081558-05	Yes	Trace (<1 %) (by CVES) by Sandar Hein on 08/14/18

Client Name: Ellis Environmental Management, Inc.

PLM Bulk Asbestos Report

18-362; Torrance; 1520 Greenwood

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
A6 Location: Int. Plaster	918081558-06	Yes	Trace (<1 %) (by CVES) by Sandar Hein on 08/14/18
Analyst Description: Yellow/White, Heterogeneous, Non-Fibrous, Cementitious, Plaster Asbestos Types: Chrysotile <1. % Other Material: Non-fibrous 100 %			
A7 Location: Pl. BB	918081558-07	No	NAD (by CVES) by Sandar Hein on 08/14/18
Analyst Description: White, Heterogeneous, Non-Fibrous, Cementitious, Button Board / Plaster Asbestos Types: Other Material: Cellulose 5 %, Non-fibrous 95 %			
A8 Location: Pl. BB	918081558-08	No	NAD (by CVES) by Sandar Hein on 08/14/18
Analyst Description: White, Heterogeneous, Non-Fibrous, Cementitious, Button Board / Plaster Asbestos Types: Other Material: Cellulose 5 %, Non-fibrous 95 %			
A9 Location: Pl. BB	918081558-09	No	NAD (by CVES) by Sandar Hein on 08/14/18
Analyst Description: White, Heterogeneous, Non-Fibrous, Cementitious, Button Board / Plaster Asbestos Types: Other Material: Cellulose 5 %, Non-fibrous 95 %			
A10 Location: Ceiling Tiles	918081558-10	No	NAD (by CVES) by Sandar Hein on 08/14/18
Analyst Description: White/Brown, Heterogeneous, Fibrous, Ceiling Tile Asbestos Types: Other Material: Cellulose 90 %, Non-fibrous 10 %			
A11 Location: Ceiling Tiles	918081558-11	No	NAD (by CVES) by Sandar Hein on 08/14/18
Analyst Description: White/Brown, Heterogeneous, Non-Fibrous, Cementitious, Ceiling Tile Asbestos Types: Other Material: Cellulose 90 %, Non-fibrous 10 %			

Client Name: Ellis Environmental Management, Inc.

PLM Bulk Asbestos Report

18-362; Torrance; 1520 Greenwood

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
A12 Location: Ceiling Tiles	918081558-12	No	NAD (by CVES) by Sandar Hein on 08/14/18
Analyst Description: White/Brown, Heterogeneous, Non-Fibrous, Cementitious, Ceiling Tile Asbestos Types: Other Material: Cellulose 90 %, Non-fibrous 10 %			
A13 Location: Ceiling Tile Mastic	918081558-13	No	NAD (by CVES) by Sandar Hein on 08/14/18
Analyst Description: Yellow, Homogeneous, Non-Fibrous, Mastic Asbestos Types: Other Material: Non-fibrous 100 %			
A14 Location: Ceiling Tile Mastic	918081558-14	No	NAD (by CVES) by Sandar Hein on 08/14/18
Analyst Description: Yellow, Homogeneous, Non-Fibrous, Mastic Asbestos Types: Other Material: Non-fibrous 100 %			
A15 Location: Ceiling Tile Mastic	918081558-15	No	NAD (by CVES) by Sandar Hein on 08/14/18
Analyst Description: Yellow, Homogeneous, Non-Fibrous, Mastic Asbestos Types: Other Material: Non-fibrous 100 %			
A16 Location: Closet WB/JC	918081558-16	No	NAD (by CVES) by Sandar Hein on 08/14/18
Analyst Description: White, Homogeneous, Non-Fibrous, Wallboard Asbestos Types: Other Material: Cellulose 10 %, Non-fibrous 90 % Comment: No Joint Compound.			

Client Name: Ellis Environmental Management, Inc.

PLM Bulk Asbestos Report

18-362; Torrance; 1520 Greenwood

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
A17 Location: Closet WB/JC	918081558-17	No	NAD (by CVES) by Sandar Hein on 08/14/18
Analyst Description: White, Heterogeneous, Non-Fibrous, Wallboard Asbestos Types: Other Material: Cellulose 10 %, Non-fibrous 90 % Comment: No Joint Compound.			
A18 Location: Closet WB/JC	918081558-18	No	NAD (by CVES) by Sandar Hein on 08/14/18
Analyst Description: White, Heterogeneous, Non-Fibrous, Wallboard Asbestos Types: Other Material: Cellulose 10 %, Non-fibrous 90 % Comment: No Joint Compound.			
A19 Location: RR Textured WB/JC	918081558-19.1	No	NAD (by CVES) by Sandar Hein on 08/14/18
Analyst Description: White, Homogeneous, Non-Fibrous, Joint Compound Asbestos Types: Other Material: Non-fibrous 100 %			
A19 Location: RR Textured WB/JC	918081558-19.2	No	NAD (by CVES) by Sandar Hein on 08/14/18
Analyst Description: White, Heterogeneous, Non-Fibrous, Wallboard Asbestos Types: Other Material: Cellulose 10 %, Non-fibrous 90 %			
A20 Location: RR Textured WB/JC	918081558-20	No	NAD (by CVES) by Sandar Hein on 08/14/18
Analyst Description: White, Heterogeneous, Non-Fibrous, Wallboard Asbestos Types: Other Material: Cellulose 10 %, Non-fibrous 90 % Comment: No Joint Compound.			

Client Name: Ellis Environmental Management, Inc.

PLM Bulk Asbestos Report

18-362; Torrance; 1520 Greenwood

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
A21 Location: RR Textured WB/JC	918081558-21.1	No	NAD (by CVES) by Sandar Hein on 08/14/18
Analyst Description: White, Homogeneous, Non-Fibrous, Joint Compound Asbestos Types: Other Material: Non-fibrous 100 %			
A21 Location: RR Textured WB/JC	918081558-21.2	No	NAD (by CVES) by Sandar Hein on 08/14/18
Analyst Description: White, Heterogeneous, Non-Fibrous, Wallboard Asbestos Types: Other Material: Cellulose 10 %, Non-fibrous 90 %			
A22 Location: Beige 12 Inch Floor Tile & Mastic	918081558-22L1	No	NAD (by CVES) by Sandar Hein on 08/14/18
Analyst Description: Beige, Homogeneous, Non-Fibrous, Floor Tile Asbestos Types: Other Material: Non-fibrous 100 %			
A22 Location: Beige 12 Inch Floor Tile & Mastic	918081558-22L2	No	NAD (by CVES) by Sandar Hein on 08/14/18
Analyst Description: Yellow, Homogeneous, Non-Fibrous, Mastic Asbestos Types: Other Material: Non-fibrous 100 %			
A23 Location: Old 4 Inch Cove & Mastic	918081558-23L1	No	NAD (by CVES) by Sandar Hein on 08/14/18
Analyst Description: Tan, Homogeneous, Non-Fibrous, Cove Base Asbestos Types: Other Material: Non-fibrous 100 %			
A23 Location: Old 4 Inch Cove & Mastic	918081558-23L2	No	NAD (by CVES) by Sandar Hein on 08/14/18
Analyst Description: Brown, Homogeneous, Non-Fibrous, Mastic Asbestos Types: Other Material: Fibrous Talc 2 %, Non-fibrous 98 %			

Client Name: Ellis Environmental Management, Inc.

PLM Bulk Asbestos Report

18-362; Torrance; 1520 Greenwood

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
A24	918081558-24L1 Location: Newer 6-Inch Cove & Mastic	No	NAD (by CVES) by Sandar Hein on 08/14/18
Analyst Description: Tan/Brown, Homogeneous, Non-Fibrous, Cove Base			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
A24	918081558-24L2 Location: Newer 6-Inch Cove & Mastic	No	NAD (by CVES) by Sandar Hein on 08/14/18
Analyst Description: Tan/Brown, Homogeneous, Non-Fibrous, Mastic			
Asbestos Types:			
Other Material: Fibrous Talc 2 %, Non-fibrous 98 %			
A25	918081558-25 Location: Interior Joint Compound	No	NAD (by CVES) by Sandar Hein on 08/14/18
Analyst Description: White, Homogeneous, Non-Fibrous, Joint Compound			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
A26	918081558-26 Location: Interior Joint Compound	No	NAD (by CVES) by Sandar Hein on 08/14/18
Analyst Description: Gold, Homogeneous, Non-Fibrous, Joint Compound			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
A27	918081558-27 Location: Interior Joint Compound	No	NAD (by CVES) by Sandar Hein on 08/14/18
Analyst Description: White, Homogeneous, Non-Fibrous, Joint Compound			
Asbestos Types:			
Other Material: Non-fibrous 100 %			

Client Name: Ellis Environmental Management, Inc.

PLM Bulk Asbestos Report

18-362; Torrance; 1520 Greenwood

Reporting Notes:

Analyzed By: Sandar Hein Sindr; Date Analyzed: 8/14/2018 8/14/18

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

Reviewed By: at aed



AmeriSci Los Angeles

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

PLM Bulk Asbestos Report

Ellis Environmental Management, Inc.
Attn: Duane Behrens
430 Silver Spur Road
Suite 201
Rancho Palos Verdes, CA 90275

Date Received 08/17/18 **AmeriSci Job #** 918081823
Date Examined 08/18/18 **P.O. #**
Page 1 **of** 1
RE: 18-362; Torrance; 1520 Greenwood

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
A4, A5 & A6 Location: Int. Plaster	918081823-01	Yes	Trace (<0.1 % pc) ¹ (by 1000 pt ct) by Arturo A. Aldana on 08/18/18
Analyst Description: Yellow/White, Heterogeneous, Non-Fibrous, Cementitious, Composite			
Asbestos Types: Chrysotile <0.1 % pc			
Other Material: Non-Asbestos/Inert 69.5 %			
Comment: Heat Sensitive (organic): 5.9%; Acid Soluble (inorganic): 24.6%; Inert (Non-asbestos): 69.5%			

Reporting Notes:

(1) 1000 Point Count Analysis performed on Inert Residue remaining after 480C heat and HCl acid treatments

Analyzed By: Arturo A. Aldana ataaed; Date Analyzed: 8/18/2018 8/18/18
*NAD = no asbestos detected; Detection Limit <1%; Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; NA = not analyzed; NA/PS = not analyzed / positive stop; NVA = No Visible Asbestos; PLM (polarized light microscopy) Bulk Asbestos Analysis by EPA 600/R-93/116, including requirements for EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab #200346-0, CA ELAP lab #2322); Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST Accreditation requirements mandate that this report must not be reproduced except in full with the approval of the laboratory. This PLM report relates ONLY to the items tested.

Reviewed By: ataaed

918081823

Subject: Re: 918081558 - 18-362 TORRANCE 1520 GREENWOOD

From: Sarah Covert <SarahCovert@ellisenvironmental.com>

Date: 8/17/2018 2:50 PM

To: "ameriscila@amerisci.com" <ameriscila@amerisci.com>

CC: Results <results@ellisenvironmental.com>

Please combine samples A-4, A-5 and A-6 (int. Plaster) and re-analyze via 1000-pt count. 24 hr TAT. Thank you,

Sarah Covert

Manager, Industrial Hygiene

sarahcovert@ellisenvironmental.com

ELLIS ENVIRONMENTAL MANAGEMENT INC

430 Silver Spur Road, Suite 201, Rancho Palos Verdes, CA 90275

Office: [310 544 1837](tel:3105441837) Cell: [310 947 9443](tel:3109479443) Fax: [310 544 2167](tel:3105442167) www.ellisenvironmental.com

On Aug 14, 2018, at 12:20, AmeriSci LA <ameriscila@amerisci.com> wrote:

<918081558E.pdf>

Rec'd by C

8.17.18 1450



AmeriSci Los Angeles

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

AmeriSci Job #: 418081219

Date Received: 08/10/18

Date Analyzed: 08/15/18

Lead Analysis Results

Paint

EPA Method 3050B/7000B

Ellis Environmental Management, Inc.

Rancho Palos Verdes, CA

Job Site: 18-362; Torrance; 1520 Greenwood

AmeriSci #	Client Number	Sample Location	% Lead (w/w)	Lead Content (mg/kg = ppm)
418081219				
01	L1	White Overhang Paint	0.59	5,900
02	L2	Beige Stucco Paint	<0.01	<100
03	L3	Interior White Paint On Plaster	0.082	820
04	L4	White Ceiling Tile Paint	<0.01	<100
05	L5	Beige Window Paint	0.96	9,600
06	L6	White RR Wall Paint	<0.01	<100

AmeriSci Reporting Limit is 0.01%, or 100mg/kg prior to any dilutions due to high analyte concentrations or matrix interferences. AmeriSci does not correct sample results by the blank value. All analytical batch data met quality control criteria unless otherwise noted. CA ELAP No. 2322.

Reviewed by: _____

Analyzed by: _____

Soheir Galess, Chemist [tn]

Ellis Environmental Management, Inc.

430 Silver Spur Road, Suite 201
 Rancho Palos Verdes, CA 90275
 (310) 544-1837 (tel)
 (310) 544-2167 (fax)

Project No.: 18-362

Client: Torrance

Location: 1520 Greenwood


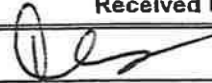
918081823
 918081558
 Sampler: SC
 Sheet 1 of 3

CHAIN OF CUSTODY RECORD

Sample Number	Description	Date	Time	H2O	Air	Solid	Tests Required
A1	ext. Stucco	8:9	am			✓	PLM Asbestos
A2	↓ ↓	↓	↓			↓	
A3	↓ ↓						
A4	int. Plaster		:				
A5	↓ ↓						
A6	↓ ↓						
A7	Pl. BB						
A8	↓ ↓						
A9	↓ ↓						
A10	ceiling tiles						
A11	↓ ↓						
A12	↓ ↓	↓	↓			↓	

Turnaround: same day 24 hrs. 48 hrs. 3 days 5 days (Standard)

Special Instructions:

Date	Relinquished By	Received By	Date
Aug. 10, 2018			8/10/18 e 4:50

Ellis Environmental Management, Inc.

430 Silver Spur Road, Suite 201
 Rancho Palos Verdes, CA 90275
 (310) 544-1837 (tel)
 (310) 544-2167 (fax)

Project No.: 18-362

Sampler: SC

Client: Torrance

Location: 1520 Greenwood

CHAIN OF CUSTODY RECORD


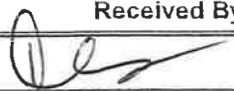
Sheet 1 of 3

918081558

Sample Number	Description	Date	Time	H2O	Air	Solid	Tests Required
A1	ext. Stucco	8:9	am			✓	PLM Asbestos
A2	↓ ↓	↓	↓			↓	↓
A3	↓ ↓	↓	↓			↓	↓
A4	int. Plaster	↓	↓			↓	↓
A5	↓ ↓	↓	↓			↓	↓
A6	↓ ↓	↓	↓			↓	↓
A7	Pl. BB	↓	↓			↓	↓
A8	↓ ↓	↓	↓			↓	↓
A9	↓ ↓	↓	↓			↓	↓
A10	ceiling tiles	↓	↓			↓	↓
A11	↓ ↓	↓	↓			↓	↓
A12	↓ ↓	↓	↓			↓	↓

Turnaround: same day 24 hrs. 48 hrs. 3 days 5 days (Standard)

Special Instructions:

Date	Relinquished By	Received By	Date
Aug-10, 2018			8/10/18 e 4180

Ellis Environmental Management, Inc.

430 Silver Spur Road, Suite 201
 Rancho Palos Verdes, CA 90275
 (310) 544-1837 (tel)
 (310) 544-2167 (fax)

Project No.: 18-362

Sampler: SC

Client: Torrance

Location: 1520 Greenwood

CHAIN OF CUSTODY RECORD



Sheet 2 of 3

918081558

Sample Number	Description	Date	Time	H2O	Air	Solid	Tests Required
A13	ceiling tile mastic	8.9	am			✓	PLM Asbestos
A14	↓ ↓ ↓						
A15	↓ ↓ ↓						
A16	closet wb/sc						
A17	↓ ↓						
A18	↓ ↓						
A19	RR- textured wb/sc						
A20	↓ ↓ ↓						
A21	↓ ↓ ↓						
A22	beige 12-inch floor tile + mastic						
A23	old 4-inch cove + mastic						
A24	newer 6-inch cove + mastic	✓	✓			↓	↓ ✓

Turnaround: ___ same day ___ 24 hrs. ___ 48 hrs. 3 days ___ 5 days (Standard)

Special Instructions:

Date	Relinquished By	Received By	Date
Aug 10, 2018			8/10/18 9/15/18

Ellis Environmental Management, Inc.

430 Silver Spur Road, Suite 201
 Rancho Palos Verdes, CA 90275
 (310) 544-1837 (tel)
 (310) 544-2167 (fax)

Project No.: 18-362

Sampler: SC

Client: Torrance

Location: 1520 Greenwood

CHAIN OF CUSTODY RECORD


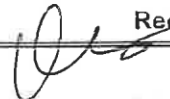
Sheet 3 of 3

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Sample Number	Description	Date	Time	H2O	Air	Solid	Tests Required
A25	interior joint compound	8-9	am			✓	PCM Asbestos
A26	↓ ↓ ↓						↓ ↓
A27	↓ ↓ ↓						↓ ↓
L1	white overhang paint						Flame AAS lead
L2	Beige stucco paint						↓ ↓ ↓
L3	interior white paint on plaster						↓ ↓ ↓
L4	white ceiling tile paint						↓ ↓ ↓
L5	beige window paint						↓ ↓ ↓
L6	white RR wall paint						↓ ↓ ↓

Turnaround: same day 24 hrs. 48 hrs. 3 days 5 days (Standard)

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Aug 10, 2018			8/10/18 SHEV