



**VA Long Beach Hospital
Building 160
5901 East 7th Street
Long Beach, California
Lead XRF Survey
Project# 1789415 LS**



May 26, 2015

**Mr. Jason Thompson
VA Long Beach Hospital
5901 East 7th Street
Long Beach, California 90822**

Re: Lead XRF Survey
Building 160
5901 East 7th Street
Long Beach, California 90822
Project No. 1789415 LS

Dear Mr. Thompson,

H2 Environmental Consulting Services received written authorization to proceed on May 18, 2015 to perform a Lead XRF Survey of the above referenced site. The survey was requested by Mr. Jason Thompson for the scheduled renovation of the above referenced site. Enclosed is one (1) copy of the Lead XRF Survey report.

H2 Environmental appreciates the opportunity to provide environmental services for this important project. Please do not hesitate to call (909) 628-0369 should there be any questions regarding your Lead XRF Survey report.

Respectfully submitted,
H2 Environmental Consulting Services, Inc.

A handwritten signature in black ink, appearing to read 'W. Thomas Haley', is written over the typed name and title.

W. Thomas Haley
Vice – President

Enclosures

LEAD XRF SURVEY

**Building 160
5901 East 7th Street
Long Beach, California 90822**

Prepared for

**VA Long Beach Hospital
5901 East 7th Street
Long Beach, California 90822**

Prepared by

**H2 Environmental Consulting Services, Inc.
13122 6th Street
Chino, California 91710
(909) 628-0369**

TABLE OF CONTENTS

	SECTION
SURVEY SUMMARY.....	1
INTRODUCTION.....	2
CAD SAMPLE LOCATIONS	3
FIELD CALIBRATION XRF RESULTS	4
FIELD ASSESSMENT WORKSHEETS/CHAIN OF CUSTODY.....	5
APPENDICES	
1. INSPECTOR'S CERTIFICATES	
2. METHODOLOGY	
3. WARRANTY	

SECTION 1 SURVEY SUMMARY

LEAD XRF SURVEY RESULTS

Building 160 - 1789415 AS
5901 East 7th Street
Long Beach, California 90822

The list materials and their components where Lead Based Paint (LBP) was detected at or in excess of the HUD/EPA standards of 1.0 mg/cm² (Los Angeles County has established a more stringent standard for lead-based paint at 0.7mg/cm²) by XRF method which is listed in the table below. All XRF readings below the regulatory defined action level are considered negative and all readings at and above these levels are considered positive.

Shot #	Unit	Room Tested	Wall	Color	Component	Substrate	Quantity	Paint Condition	Result	Neg/Pos
01	Building 160	Waiting Room	East	Cream	Wall	Drywall	750 SF	Intact	0.00	Negative
02	Building 160	Waiting Room	North	Beige	Wall	Drywall	120 SF	Intact	0.00	Negative
03	Building 160	Waiting Room	North	Beige	Door Frame	Metal	1 Each	Intact	0.00	Negative
04	Building 160	Waiting Room	North	Beige	Door	Metal	1 Each	Intact	0.00	Negative
05	Building 160	Waiting Room	North	Beige	Door Frame	Metal	1 Each	Intact	0.07	Negative
06	Building 160	Reception	East	Beige	Door Frame	Metal	1 Each	Intact	0.07	Negative
07	Building 160	Restroom #103	East	Beige	Door Frame	Metal	1 Each	Intact	0.06	Negative
08	Building 160	Room #104	East	Beige	Door Frame	Metal	1 Each	Intact	0.03	Negative
09	Building 160	Room #106	South	Beige	Door Frame	Metal	1 Each	Intact	0.08	Negative
10	Building 160	Room #108	East	Beige	Door Frame	Metal	1 Each	Intact	0.02	Negative
11	Building 160	Room #109	East	Beige	Door Frame	Metal	1 Each	Intact	0.09	Negative
12	Building 160	Hallway	South	Beige	Door Frame	Metal	1 Each	Intact	0.02	Negative
13	Building 160	Hallway	South	Beige	Door	Metal	1 Each	Intact	0.00	Negative
14	Building 160	Room #113	North	Beige	Door Frame	Metal	1 Each	Intact	0.03	Negative
15	Building 160	Room #116	West	Beige	Door Frame	Metal	1 Each	Intact	0.06	Negative
16	Building 160	Room #116	South	Beige	Wall	Drywall	950 SF	Intact	0.01	Negative

SECTION 1
SURVEY SUMMARY

LEAD XRF SURVEY RESULTS

Building 160 - 1789415 AS
5901 East 7th Street
Long Beach, California 90822

The list materials and their components where Lead Based Paint (LBP) was detected at or in excess of the HUD/EPA standards of 1.0 mg/cm² (Los Angeles County has established a more stringent standard for lead-based paint at 0.7mg/cm²) by XRF method which is listed in the table below. All XRF readings below the regulatory defined action level are considered negative and all readings at and above these levels are considered positive.

Shot #	Unit	Room Tested	Wall	Color	Component	Substrate	Quantity	Paint Condition	Result	Neg/Pos
17	Building 160	Room #113	North	Beige	Door Frame	Metal	1 Each	Intact	0.06	Negative
18	Building 160	Room #113	North	Beige	Wall	Drywall	550 SF	Intact	0.00	Negative
19	Building 160	Room #113	South	Beige	Wall	Drywall	550 SF	Intact	0.00	Negative
20	Building 160	Room #113	East	Beige	Wall	Drywall	550 SF	Intact	0.17	Negative
21	Building 160	Room #113	West	Beige	Wall	Drywall	550 SF	Intact	0.00	Negative
22	Building 160	Room #114	North	Beige	Wall	Drywall	350 SF	Intact	0.00	Negative
23	Building 160	Room #114	East	Beige	Wall	Drywall	350 SF	Intact	0.00	Negative
24	Building 160	Room #114	West	Beige	Wall	Drywall	350 SF	Intact	0.00	Negative
25	Building 160	Hallway	West	Beige	Wall	Drywall	1,250 SF	Intact	0.00	Negative
26	Building 160	Hallway	East	Beige	Wall	Drywall	1,250 SF	Intact	0.00	Negative
27	Building 160	Walkway	North	Beige	Support Pillar	Drywall	710 SF	Intact	0.00	Negative
28	Building 160	Walkway	North	Black	Door Frame	Metal	1 Each	Intact	0.00	Negative
29	Building 160	Walkway	North	Black	Door	Metal	1 Each	Intact	0.00	Negative
30	Building 160	Room #112	East	Beige	Door Frame	Metal	2 Each	Intact	0.06	Negative
31	Building 160	Room #112	East	Beige	Wall	Drywall	795 SF	Intact	0.00	Negative
32	Building 160	Room #112	South	Beige	Wall	Drywall	795 SF	Intact	0.00	Negative

SECTION 1
SURVEY SUMMARY

LEAD XRF SURVEY RESULTS

Building 160 - 1789415 AS
5901 East 7th Street
Long Beach, California 90822

The list materials and their components where Lead Based Paint (LBP) was detected at or in excess of the HUD/EPA standards of 1.0 mg/cm² (Los Angeles County has established a more stringent standard for lead-based paint at 0.7mg/cm²) by XRF method which is listed in the table below. All XRF readings below the regulatory defined action level are considered negative and all readings at and above these levels are considered positive.

Shot #	Unit	Room Tested	Wall	Color	Component	Substrate	Quantity	Paint Condition	Result	Neg/Pos
33	Building 160	Room #103	North	Brown	Wall Tile	Drywall	410 SF	Intact	0.00	Negative
34	Building 160	Room #103	North	Beige	Wall	Drywall	600 SF	Intact	0.00	Negative
35	Building 160	Room #105	North	Brown	Wall Tile	Drywall	410 SF	Intact	0.00	Negative
36	Building 160	Room #105	North	Beige	Wall	Drywall	600 SF	Intact	0.00	Negative

SECTION 2 INTRODUCTION

GENERAL INFORMATION

H2 Environmental Consulting Services was retained by VA Long Beach Hospital to conduct a Lead XRF Survey of Building 160 located at 5901 East 7th Street, Long Beach, California. The Lead XRF Survey was conducted on May 18, 2015.

Building 160 was occupied during the survey. The subject building is currently located at 5901 East 7th Street, Long Beach, California. The building is a single-story structure of approximately 2,800 SF square feet of work area. The interior walls of the building consisted of drywall. The interior floors of Building 160 consisted of carpet and 12"x12" floor tile. The interior ceiling consists of 2'x4' ceiling tile.

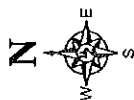
During the Lead XRF Survey a total of 36 lead XRF samples were collected. Suspect materials observed during the Lead XRF Survey are summarized in the Lead XRF Survey Summary Section of this report. According to the LA County guidelines paint containing lead greater than $>0.7 \text{ (mg/cm}^2\text{)}$ using XRF methods are considered lead bearing material. The materials and the Lead content are outlined on the Section 1 Survey Summary – Lead XRF Survey Results.

This report has been prepared for the exclusive use of VA Long Beach Hospital.

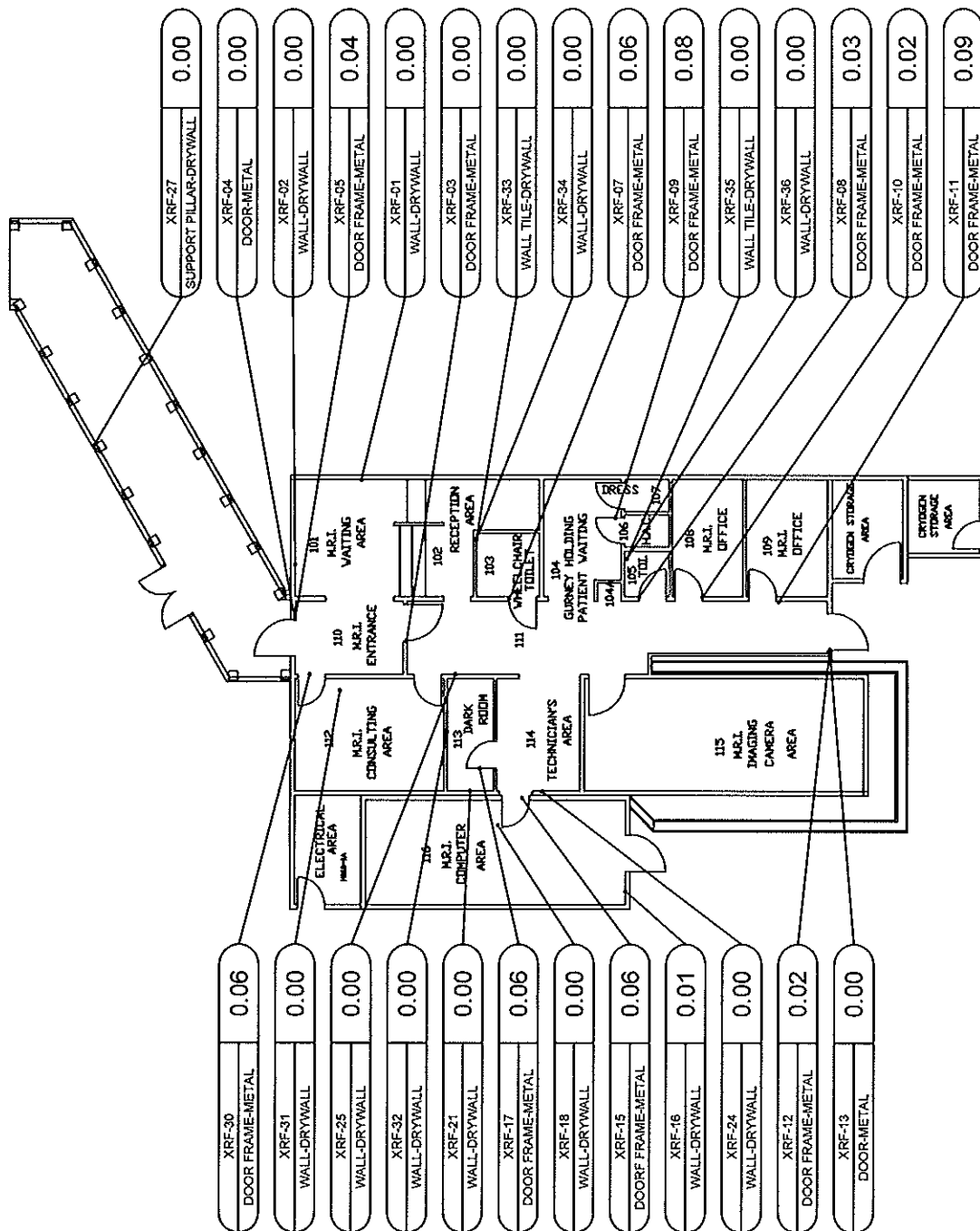
AUTHORIZATION

Authorization to perform the survey was given by Mr. Jason Thompson, in the form of a written authorization to proceed, dated May 15, 2015

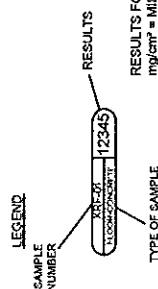
SECTION 3
CAD SAMPLE LOCATIONS



E 7TH ST.



PARTIAL BUILDING 160 FLOOR PLAN
NOT TO SCALE

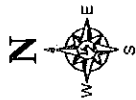


RESULTS FOR LEAD SAMPLE ARE NOTED AS
mg/cm² = MICROGRAMS PER SQUARED CENTIMETER

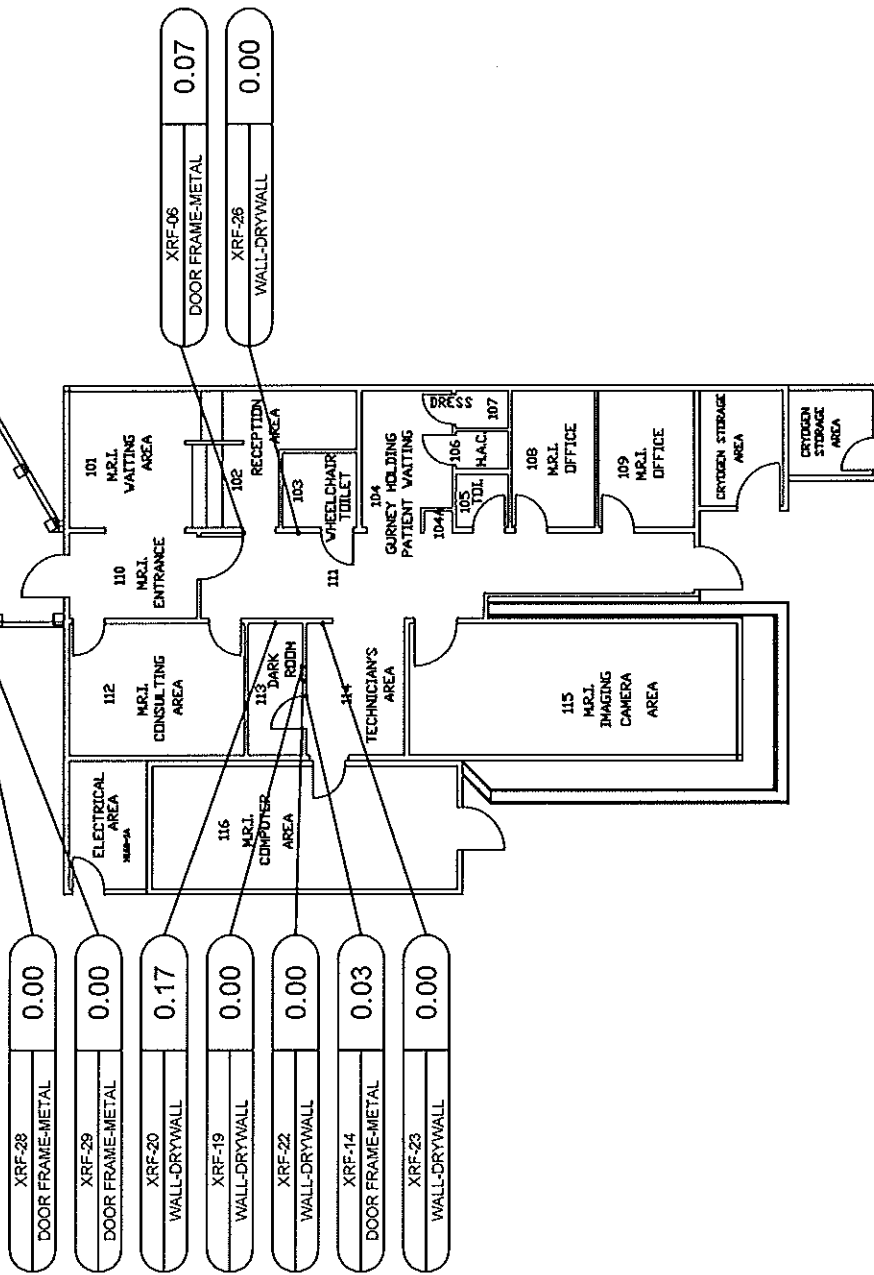
K2 ENVIRONMENTAL
CONSULTING SERVICES, INC.
13122 6TH ST., CHINO, CA 91710, TEL. 909.628.0369

DATE: 5/19/15
FIGURE: 1
SCALE: NTS
PROJ. NO.: 1789415LS
DRAWN BY: VF
CHECK BY: WTH

VA LONG BEACH HOSPITAL
LEAD XRF SURVEY, BUILDING 160
5901 E. 7TH ST., LONG BEACH, CA 90822



E. 7TH ST.



PARTIAL BUILDING 160 FLOOR PLAN
NOT TO SCALE

LEGEND
SAMPLE NUMBER
XRF-06
DOOR FRAME-METAL
RESULTS
12345
TYPE OF SAMPLE
RESULTS FOR LEAD SAMPLE ARE NOTED AS
mg/cm² = MILLIGRAMS PER SQUARED CENTIMETER

**K2 ENVIRONMENTAL
CONSULTING SERVICES, INC.**
13122 6TH ST., CHINO, CA 91710, TEL. 909.628.0369

DATE: 5/19/15
FIGURE: 2
SCALE: NTS
PROJ. NO: 1789415LS
DRAWN BY: VF
CHECK BY: WTH

VA LONG BEACH HOSPITAL
LEAD XRF SURVEY, BUILDING 160
5901 E. 7TH ST., LONG BEACH, CA 90822

SECTION 4
FIELD CALIBRATION XRF RESULTS



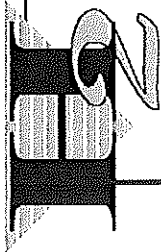
ENVIRONMENTAL
CONSULTING SERVICES, INC.

LEAD XRF CALIBRATION TEST RESULTS

Client Name: V.A. Louis Branch		Project Number: 1789415 LS	
Project Name: Building #160		Device: XLP300A	Serial No. 25947
Date: 5-18-15		Inspector: SAC Sigala Jr.	
Address: 5901 E 7th St			
City: Long Beach	State: CA	Zip:	

Calibration Check				
SRM 2570 <0.01 mg/cm ² (Color-White)			Average	Difference Between Average and <0.01 mg/cm ²
First Reading	Second Reading	Third Reading		
0.00	0.00	0.02	0.006	0.006
SRM 2571 3.58 ± 0.39 mg/cm ² (Color - Yellow)			Average	Difference Between Average and 3.58 ± 0.39 mg/cm ²
First Reading	Second Reading	Third Reading		
3.9	3.8	3.0	3.4	< 0.5
SRM 2573 1.04 ± 0.06 mg/cm ² (Color - Red)			Average	Difference Between Average and 1.04 ± 0.06 mg/cm ²
First Reading	Second Reading	Third Reading		
1.0	1.2	1.2	1.13	0.13
			Average	
First Reading	Second Reading	Third Reading		
			Average	
First Reading	Second Reading	Third Reading		
Name: SAC Sigala Jr.			Signature: [Signature]	Date: 5/18-15

SECTION 5
FIELD ASSESSMENT WORKSHEET/CHAIN OF CUSTODY



ENVIRONMENTAL CONSULTING SERVICES, INC.

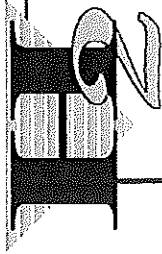
H2 Environmental Consulting Services, Inc.
13122 6th Street
Chino, CA 91710-9008
Office: 909-628-0369 Fax: 909-613-5845

LEAD XRF SURVEY RESULTS

Client Name:	V.A. Long Beach	Project Number:	789415 LS
Project Name:	Building 100	Inspector (s)	JAL PIGALA JR.
Project Location / Address	5901 E. 7 th St Long Beach	Date:	5-18-15

The list materials and their components where Lead Based Paint (LBP) was detected at or in excess of the HUD/EPA standards of 1.0 mg/cm² (Los Angeles County has established a more stringent standard for lead-based paint at 0.7mg/cm²) by XRF method which is listed in the table below. All XRF readings below the regulatory defined action level are considered negative and all readings at and above these levels are considered positive.

Shot #	Unit	Room Tested	Wall	Color	Component	Substrate	Quantity	Paint Condition	Result	Neg/Pos
01	Bld 100	Waiting Room	E	Green	Wall	Paint	17504	I	0.00	N
02			N	Beige	Wall	Paint	1204	I	0.00	N
03			N		Door Frame	Metal	1204	I	0.00	N
04			N		Door	Metal		I	0.00	N
05			N		Door Frame	Metal		I	0.07	N
06		RECEPTION	E					I	0.07	N
07		R.A. #103	E					I	0.00	N
08		Room 104	E					I	0.03	N
09		Room 106	S					I	0.08	N
10		Room 108	E					I	0.02	N
11		Room 109	E					I	0.09	N
12		Hallway	S					I	0.02	N
13		Hallway	S		Door	Metal		I	0.00	N
14		Room 113	N	Beige	Door Frame	Metal	1204	I	0.03	N
15		Room 114	W	Beige	Door Frame	Metal	1204	I	0.06	N
16		Room 116	S	Beige	Wall	Paint	9504	I	0.01	N



ENVIRONMENTAL CONSULTING SERVICES, INC.

H2 Environmental Consulting Services, Inc.
13122 6th Street
Chino, CA 91710-9008
Office: 909-628-0369 Fax: 909-613-5845

LEAD XRF SURVEY RESULTS

Client Name:	V.A. Long Beach	Project Number:	1789415LS
Project Name:	Block # 60	Inspector (s)	JAL S. GARCIA JR.
Project Location / Address	5901 E. 7 th St Long Beach	Date:	5-18-15

The list materials and their components where Lead Based Paint (LBP) was detected at or in excess of the HUD/EPA standards of 1.0 mg/cm² (Los Angeles County has established a more stringent standard for lead-based paint at 0.7 mg/cm²) by XRF method which is listed in the table below. All XRF readings below the regulatory defined action level are considered negative and all readings at and above these levels are considered positive.

Shot #	Unit	Room Tested	Wall	Color	Component	Substrate	Quantity	Paint Condition	Result	Neg/Pos
17	Block 160	Room 113	N	Black	Door Frame	Metal	1 EA	I	0.06	N
18			N		Wall	Drywall	5504	I	0.00	N
19			S		Wall	Drywall	5504	I	0.00	N
20			E		Wall	Drywall	5504	I	0.17	N
21			W		Wall	Drywall	5504	I	0.00	N
22		Room 114	N		Wall	Drywall	3504	I	0.00	N
23			E		Wall	Drywall	3504	I	0.00	N
24			W		Wall	Drywall	3504	I	0.00	N
25		Hallway	W		Wall	Drywall	12504	I	0.00	N
26		Hallway	E		Wall	Drywall	12504	I	0.00	N
27		Walkway	N		Support Beam	Drywall	7106	I	0.00	N
28		Walkway	N	Black	Door Frame	Metal	1 EA	I	0.00	N
29		Walkway	N	Black	Door	Metal	1 EA	I	0.00	N
30		Room 112	E	Black	Door Frame	Metal	2 EA	I	0.06	N
31			E	Black	Wall	Drywall	7954	I	0.00	N
32			S	Black	Wall	Drywall	7954	I	0.00	N



13122 6th Street

Chino, CA 91710-9008

Office: 909-628-0369 Fax: 909-613-5845

LEAD XRF SURVEY RESULTS

Client Name:	V.A. Long Beach
Project Name:	Business #160
Project Location / Address	5201 K. TH ST Long Beach
Project Number:	178941565
Inspector (s)	JAL HIGGS JR.
Date:	5-18-18

The list materials and their components where Lead Based Paint (LBP) was detected at or in excess of the HUD/EPA standards of 1.0 mg/cm² (Los Angeles County has established a more stringent standard for lead-based paint at 0.7mg/cm²) by XRF method which is listed in the table below. All XRF readings below the regulatory defined action level are considered negative and all readings at and above these levels are considered positive.

[illegible]

APPENDICES

APPENDIX 1

INSPECTOR'S CERTIFICATES

In an effort to save paper and per some repeat clients request to reduce the size of the reports, H2 Environmental has reduced the size of the inspector's certifications to make them fit on one page. If you feel the need to receive a full size set of certifications, feel free to call our office (909) 628-0369 and request the copies you need. Thank you for your assistance in this matter.



504211702G

106

H2 Environmental Consulting Services, Inc.
William Thomas Haley
13122 6th St
Chino

CA 91710-9008

May 01, 2015

Dear Certified Asbestos Consultant or Technician:

Enclosed is your certification card. To maintain your certification, you must abide by the rules printed on the back of the certification card.

Your certification is valid for a period of one year. If you wish to renew your certification, you must apply for renewal at least 60 days before the expiration date shown on your card. [8 CCR 341.15(h)(1)].

Please hold and do not send copies of your required AHERA refresher renewal certificates to our office until you apply for renewal of your certification.

Certificates must be kept current if you are actively working as a CAC or CSST. The grace period is only for those who are not actively working as an asbestos consultant or site surveillance technician.

Please contact our office at the above address, fax number or email; of any changes in your contact/mailing information within 15 days of the change.

Sincerely,

Jeff Ferrell
Senior Safety Engineer

Attachment: Certification Card

cc: File

Renewal - Card Attached (7/2/2015 10/24/2012)

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



William Thomas Haley
May 1, 2015
Certification No. 5-1702
Expires on 05/01/16
The employee designated as a holder of a
Occupational Safety and Health License is
subject to the provisions of the Business and
Professions Code.

Global Environmental Training

This is to certify that

W. Thomas Haley

SSH# 4362

Has completed course work that meets the criteria required for EPA/AHERA
(TSCA Title II) Approved Recertification and NESHAPs Regulations Training *

Asbestos in Buildings: Abatement Contractor Supervisor Refresher

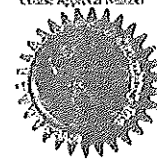
March 7, 2015
Course Date

215-081-CSR
Certificate Number

March 7, 2016
Expiration Date

CA - 023 - 04
Course Approval Number

Mario Virgen
Course Director



1520 W. Cameron Ave., Suite 413 • West Covina, CA 91791 (924) 942 4436
*This course meets California requirements

Global Environmental Training

This is to certify that

W. Thomas Haley

SSH# 4362

Has completed course work that meets the criteria required for EPA/AHERA
(TSCA Title II) Approved Recertifications and NESHAPs Regulations Training *

Asbestos in Buildings: Building Inspector Refresher

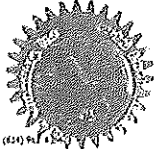
March 8, 2015
Course Date

215-080-BIR
Certificate Number

March 8, 2016
Expiration Date

CA - 023 - 06
Course Approval Number

Mario Virgen
Course Director



1520 W. Cameron Ave., Suite 413 • West Covina, CA 91791 (924) 942 4436
*This course meets California requirements

Global Environmental Training

This is to certify that

Thomas Haley

SSH# 4362

Has completed course work that meets the criteria required for EPA/AHERA
(TSCA Title II) Approved Recertification and NESHAPs Regulations Training *

Asbestos in Buildings: Management Planner Refresher

January 8, 2015
Course Date

215-017-MPR
Certificate Number

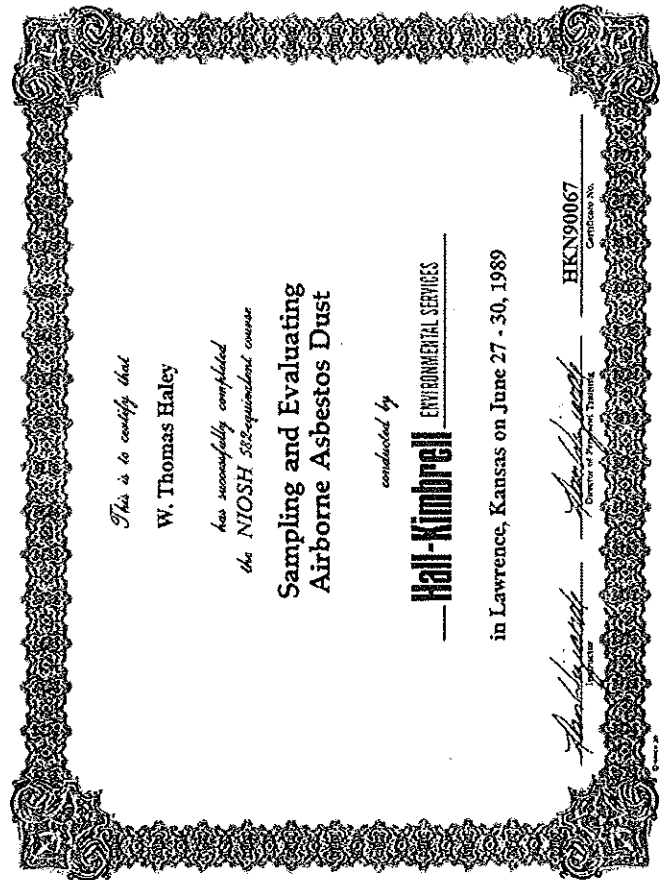
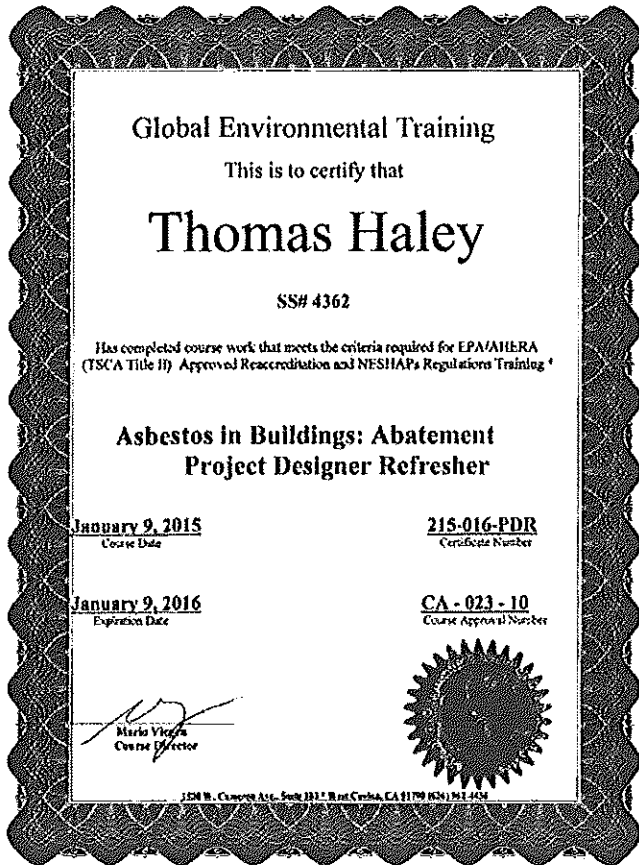
January 8, 2016
Expiration Date

CA - 023 - 08
Course Approval Number

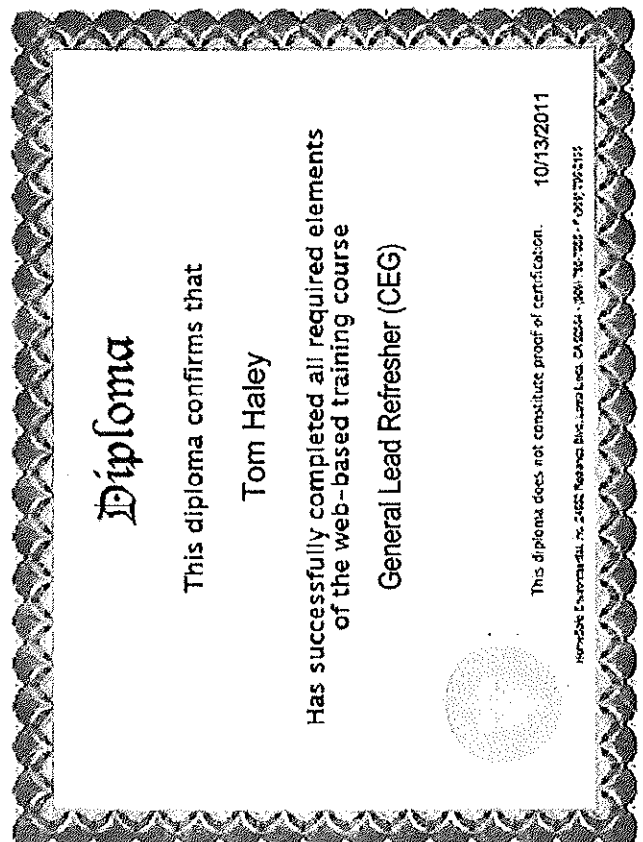
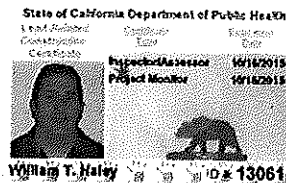
Mario Virgen
Course Director



1520 W. Cameron Ave., Suite 413 • West Covina, CA 91791 (924) 942 4436
*This course meets California requirements



Mr. William T. Haley
H2 Environmental Consulting Services, Inc.
13122 6th Street
Chino, California 91710



Radiation Safety and Operation of
Portable XRF Analyzers

This is to certify that

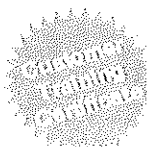
Thomas Haley

has successfully completed the one-day Thermo
Fisher Scientific Portable XRF Analyzer
Manufacturer's Training Course. The topics of this
course include radiation safety, monitoring, device
operation, and machine maintenance of the Thermo
Scientific Portable XRF Analyzer.

Course date: 2013-03-22

Location: Chino, CA

Certificate Number: RS003800000143w3i



Sophie Ung
Sophie Ung
EHS Administrator

James Blute
James Blute, CHP
Manager of Health and Safety

Thermo
SCIENTIFICThermoFisher
SCIENTIFICThe world leader
in serving science

March 28, 2013

Thomas Haley
H2 Environmental Consulting Services Inc
13122 6th Street
Chino, CA

Subject: Radiation Safety and Operation Training Certificate – Thermo Scientific Portable
XRF Analyzers

Dear Thomas:

Congratulations on having successfully completed the Thermo Fisher Scientific Manufacturer's
Training Course on the operation, monitoring, and maintenance of our handheld Thermo Scientific
Portable X-ray Fluorescence (XRF) analyzers, including the Thermo Scientific Niton XL3 Series and
Niton XL2 Series. We admire your effort in attending this course and have enclosed your certificate
of completion. This document certifies that you have been trained in radiation safety and monitoring,
measurement technology, and routine analyzer maintenance pertaining to the use of Thermo
Scientific Portable XRF instruments.

Please feel free to contact us to discuss your testing and analysis needs. Our trained, technical staff
will help you identify best practices and testing methods that can increase productivity and help save
you time and money.

For further information or to schedule an on-site demonstration at your convenience, please call us
at (800) 875-1578. We also invite you to visit our web site at www.thermoscientific.com/pal. We are
committed to solving your analysis needs.

Best regards,

Sophie Ung

Sophie Ung
EHS Administrator
Thermo Scientific Portable Analytical Instruments Inc.

H₂ ENVIRONMENTAL

Qualitative Fit Test

Employee Name: W. Thomas Haley SSN: 4362

Employee Signature: [Signature] Date: 9/3/14

Location: 13122 6th St, Chino CA 91710

Respirator Specifications:

Brand: ☒ North ☐ 3M ☐ Other: _____

Size: ☐ S ☐ M ☐ L

Type: ☒ 1/4 Face ☐ Full Face ☐ PAPR

Model: ☒ 7700 Series ☐ Other: _____

Test Results:

Negative Pressure Test: ☒ Pass ☐ Fail

Positive Pressure Test: ☒ Pass ☐ Fail

Irritant Smoke Test: ☒ Pass ☐ Fail

☒ Passed Fit Test

☐ Failed Fit Test ☐ Unable to fit test due to facial hair need to shave.

☐ Medical Surveillance: The employer shall establish and maintain an accurate record for each employee subject to medical surveillance in accordance with section 3204 of the General Industry Safety Orders

Trainer Name: Amy De Santiago

Trainer Signature: [Signature] Date: 9/3/14

13122 6th Street • Chino, CA 91710
(909) 628-0369 • Fax (909) 613-5845 • H2Environmental.com

HealthWorks
MEDICAL GROUPMEDICAL RECOMMENDATIONS
FOR USE OF RESPIRATORY
PROTECTIVE EQUIPMENT

Applicant/Employee: Haley, Thomas Age: 44

Position Title: _____

Date of Evaluation: 12/15/12 Company: H2 Environmental

Contact: _____ Contact Telephone: _____

Evaluation Content: ☐ Questionnaire ☐ Physical ☒ PFT ☐ X-Ray Other: _____

Based on the elements indicated above, I have evaluated the aforementioned person in accordance with the provisions of OSHA 29 CFR 1910.134, applicable to the use of respiratory protective equipment, and it is my opinion that he/she is: (Check all that apply)

- ☒ Medically qualified for unrestricted use of the following respiratory protective devices:
- CATEGORY I** Self-Contained; Air-Supplied (Continuous Flow, Demand and Pressure Demand); Canister Mask; Chemical Cartridge and Mechanical Filter with and without Blower.
- ☐ Medically qualified for restricted use of respiratory protective devices as indicated below:

CATEGORY II		CATEGORY III	
Self-Contained Air-Supplied	1-2 hours per day	Self-Contained Air-Supplied	Never
Continuous Flow Demand	Unlimited	Continuous Flow Demand	Emergency only
Pressure Demand	Up to 4 hours / day	Pressure Demand	Emergency only
Canister Mask	Up to 4 hours / day	Canister Mask	Emergency only
Chemical Cartridge	1-2 hours per day	Chemical Cartridge	Never
Mechanical Filter	1-2 hours per day	Mechanical Filter	Never
Mechanical Filter w/ Blower	Unlimited	Mechanical Filter w/ Blower	Emergency only

- ☐ In need of the following additional evaluation to assess qualification: _____
- ☐ In need of Medical Follow-Up Examinations as frequently as every: _____ to include: _____

COMMENTS:

Fitting Considerations: ☐ Facial hair ☐ Glasses/Contact lenses ☐ Dentures/Facial deformity

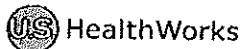
I hereby certify that in accordance with OSHA 29 CFR 1910.134, applicable to the use of respiratory protective equipment, I have informed the applicant/employee of the results of his/her evaluation and I have given him/her a copy of these recommendations.

Health Care Professional: Name: Dr. Stephen S. Alarcon, M.D.

Signature: [Signature]

Date: 12/15/12

This form complies with OSHA requirements and with other similar state requirements for the use of respirators.



LEAD EXPOSURE EXAMINATION
Written Medical Opinion

Examinee: W. Thomas SS #: 5210954302 Date: 12/5/12

In accordance with GENERAL INDUSTRY SAFETY ORDERS, SECTION 5216, TITLE 8, CALIFORNIA CODE OF REGULATIONS, I have examined and evaluated all data related to the aforementioned employee, contained in his/her file, including blood lead levels of 3 $\mu\text{g}/\text{dL}$

Based on my findings at the present time, it is my medical opinion that:

- ☒ No ☐ Yes The employee has a detected medical condition that places him/her at increased risk of material impairment of his/her health from lead exposure.
- ☒ No ☐ Yes The employee must be provided with special protective measures.
- ☒ No ☐ Yes The employee must be limited in his/her exposure to lead.
- ☒ No ☐ Yes The employee must be limited in the use of respirators as follows:
☐ Use powered air-purifying respirators only.
☐ Use no respirators.
- ☒ No ☐ Yes The employee has a medical condition, occupational or non-occupational, that warrants further medical examination or treatment and I have advised him/her about such condition.

Based on my medical opinion indicated above, my recommendations are as follows:

Essentially None

Physician

Date

12/11/12

Certificate of Attendance



certifies that

W. Thomas Haley

has successfully completed the

Basic Strategies for Conducting
Meaningful Microbial IAQ Investigations

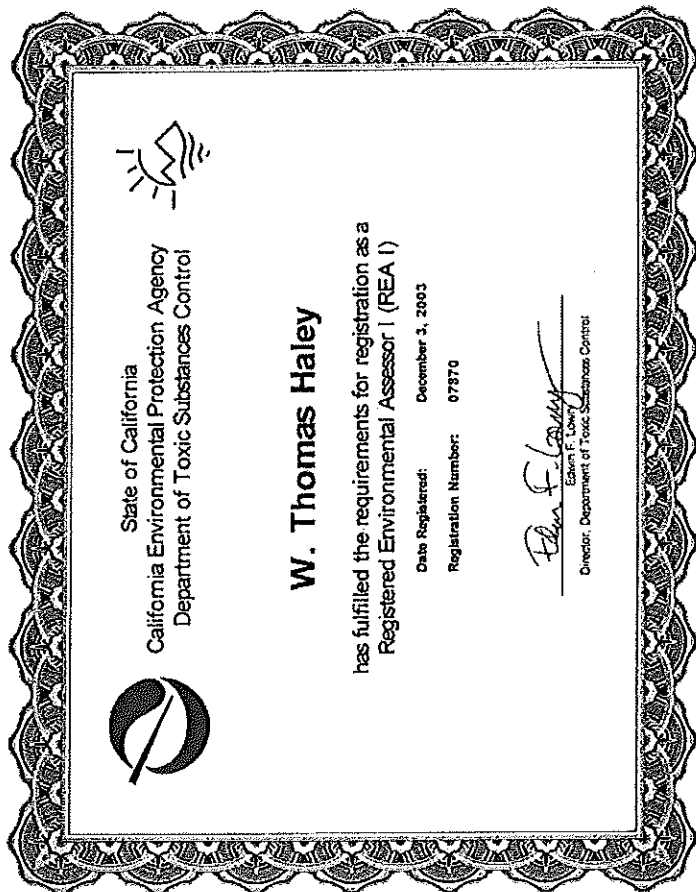
2.0 IH CM Points or 1.6 CEUs ABIH Approval #12557 16 CPDs from BOMI

December 10 ~ December 11, 2013

Date

Executive Director

[Signature]



State of California
California Environmental Protection Agency
Department of Toxic Substances Control



W. Thomas Haley

has fulfilled the requirements for registration as a
Registered Environmental Assessor I (REA I)

Date Registered: December 3, 2003
Registration Number: 07970

[Signature]
Director, Department of Toxic Substances Control



American Council for
Accredited Certification

hereby certifies that

W. Thomas Haley

has met all the specific standards and qualifications of the re-certification process, including continued professional development, and is hereby re-certified as a

CIEC

Council-certified
Indoor Environmental Consultant

This certificate expires on April 30, 2017.

0703144

Certificate Number

Charles F. Wiles, Executive Director

This certificate remains the property of the American Council for Accredited Certification.

CERTIFICATE OF ATTENDANCE

This certificate is awarded to

W. Thomas Haley

In recognition of attendance to

Basic AeroSeminar

February 13, 2004

Sponsored by Aerotech Laboratories, Inc.

This course has been approved for 1.0 Industrial Hygiene CEU Point from the American Board of Industrial Hygiene approval # 03-2765 and 1/2 AIAA or 1 Continuing Education Credit from the IICPC.

Date

2/13/04

Karen Hayes
Coordinator
Aerotech Laboratories, Inc.

Certificate of Training

Thomas Haley

Has completed an awareness course in general compliance with
29 CFR 1910.1206 and applicable provisions of 29 CFR 1910.120.

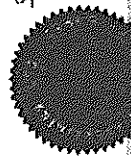
Clandestine Methamphetamine Labs

DeLisle Associates LTD

5050 S. Sprinkle Road
Portage, Michigan 49062
(269) 372-4500

Thomas E. Boecher, Instructor

Presented on this date: January 19, 2004
Course Date: January 13, 2004
Certificate Number: MIA-1911



Environmental Assessment Association

herby certifies that

W. Thomas Haley, CES

has been qualified for membership in the

Environmental Assessment Association

and has been admitted by its Board of Directors and declared to be a

CES

Certified Environmental Specialist

and is hereby granted this certificate

under the conditions presented in its by-laws.

Signed and sealed this 6th day of March, 2004

Robert G. Johnson
Managing Director

Environmental Assessment Association

herby certifies that

W. Thomas Haley, CEI

has been qualified for membership in the

Environmental Assessment Association

and has been admitted by its Board of Directors and declared to be a

CEI

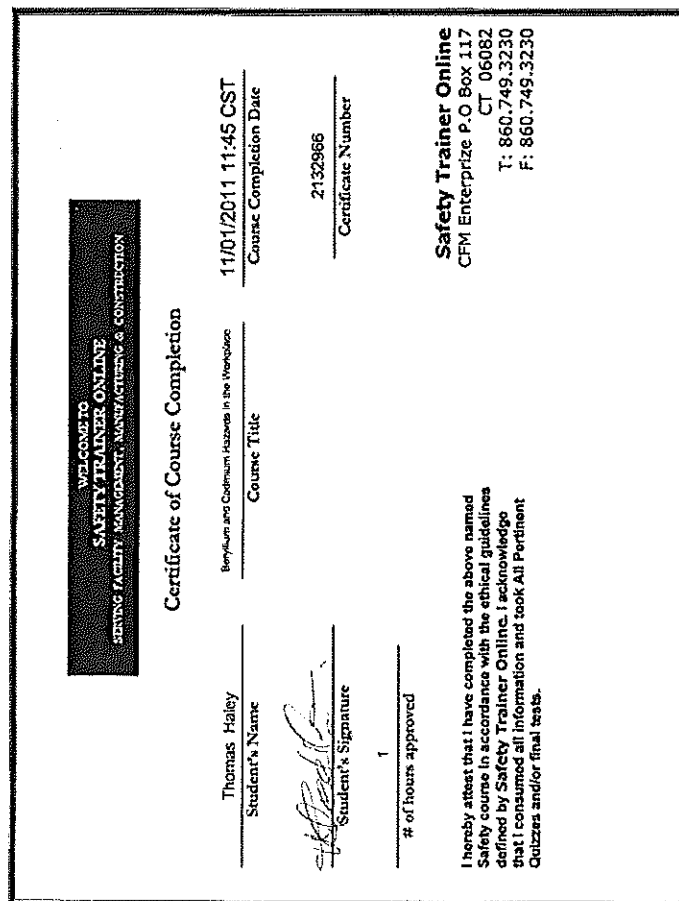
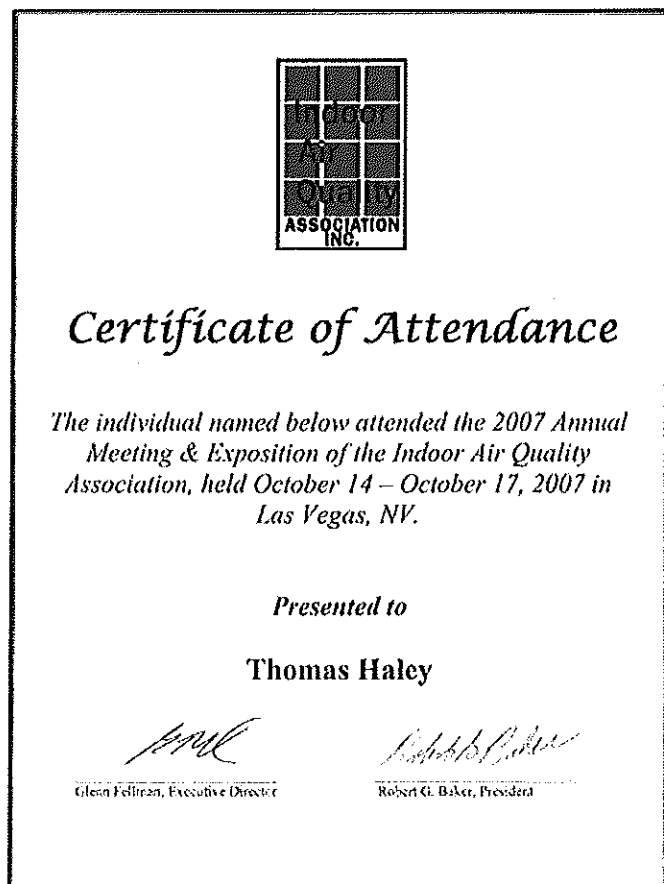
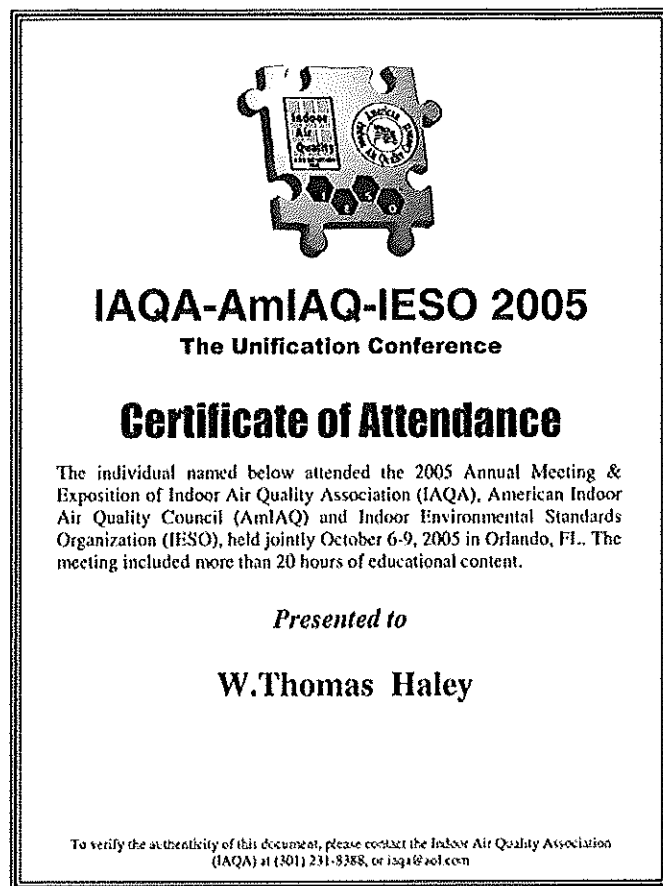
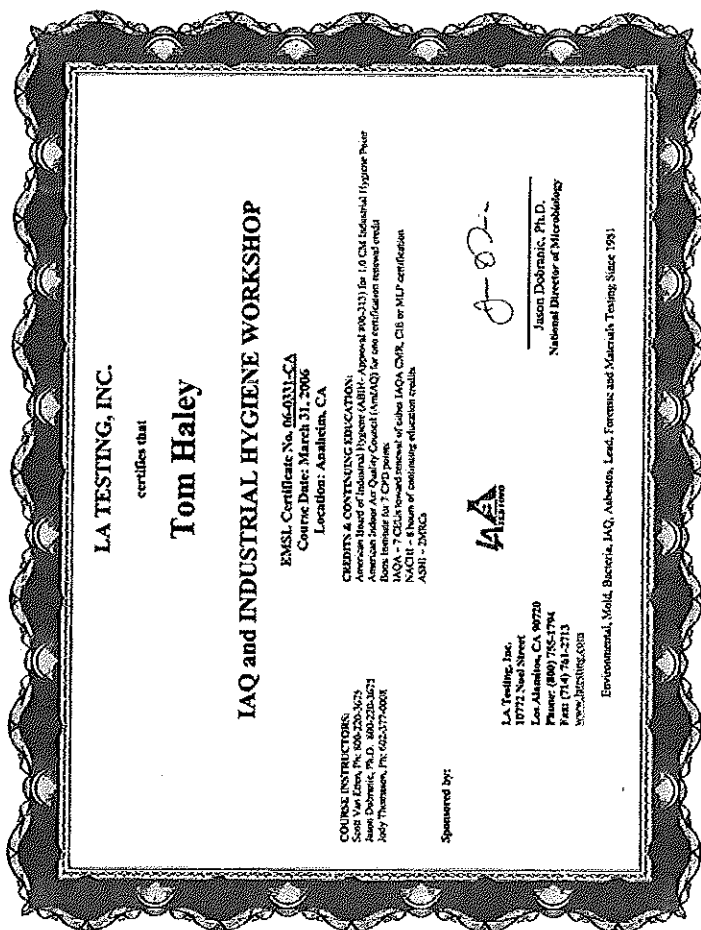
Certified Environmental Inspector

and is hereby granted this certificate

under the conditions presented in its by-laws.

Signed and presented this 15th day of March, 2004

Robert G. Johnson
President
Robert G. Johnson





710254286T 310 312

H2 Environmental Consulting Services, Inc.
Salomon G Sigala, Jr.
13122 - 6th Street
Chino CA 91710

February 11, 2016

Dear Certified Asbestos Consultant or Technician:

Enclosed is your certification card. To maintain your certification, you must abide by the rules printed on the back of the certification card.

Your certification is valid for a period of one year. If you wish to renew your certification, you must apply for renewal at least 60 days before the expiration date shown on your card. [8 CCR 341.15(h)(1)].

Please hold and do not send copies of your required AHERA refresher renewal certificates to our office until you apply for renewal of your certification.

Certificates must be kept current if you are actively working as a CAC or CSST. The grace period is only for those who are not actively working as an asbestos consultant or site surveillance technician.

Please contact our office at the above address, fax number or email, of any changes in your contact/mailing information within 15 days of the change.

Sincerely,

Jeff Ferrell
Jeff Ferrell
Senior Safety Engineer

Attachment: Certification Card

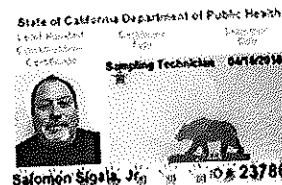
cc: File

State of California
Division of Occupational Safety and Health
Certified Site Surveillance Technician

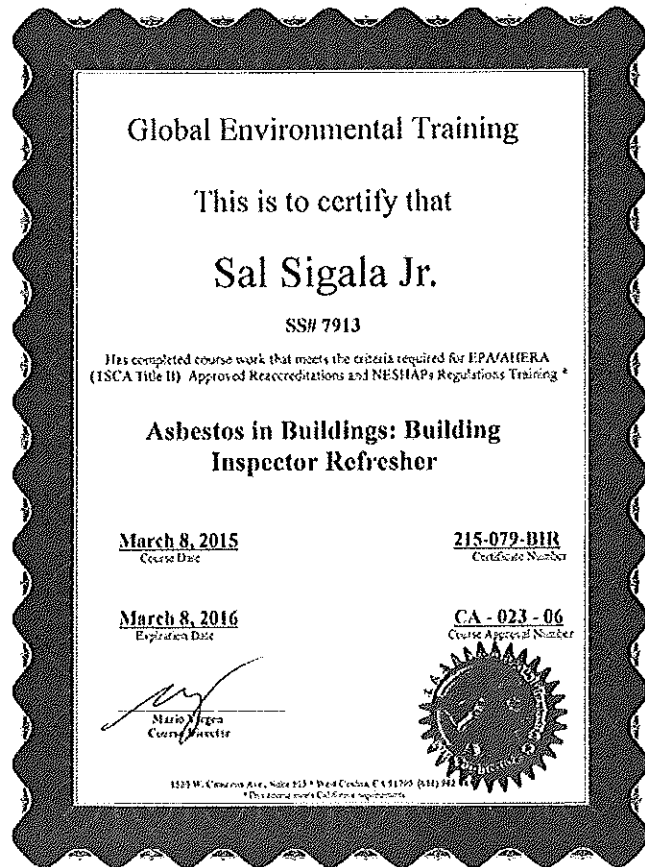
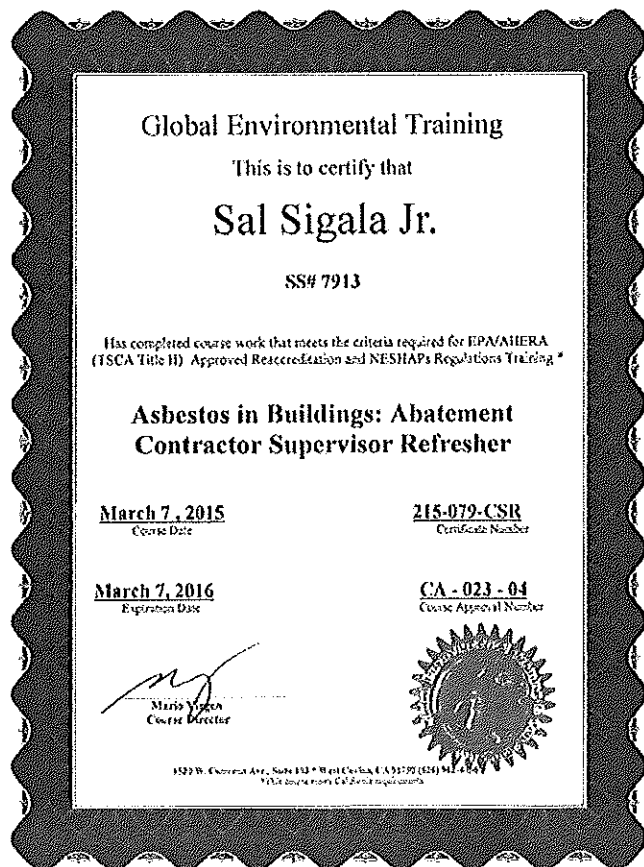


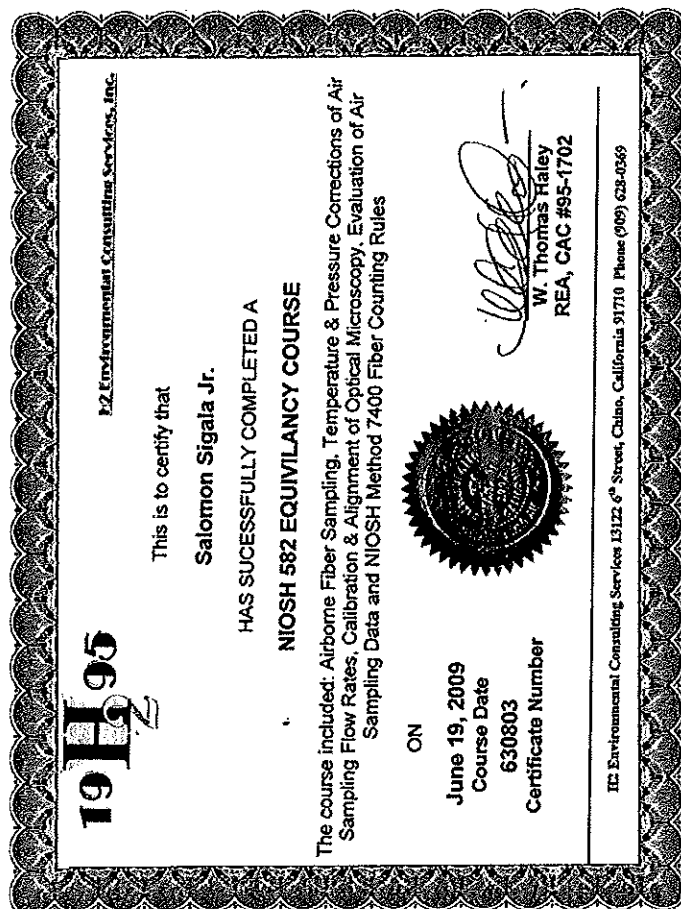
Salomon G. Sigala, Jr.
Certification No. 02-4286
Expires on 03/22/16
The candidate and candidate is the holder of
Certificate No. 02-4286 and is authorized to
perform the duties of a Certified Site Surveillance
Technician.

Page 4 - Card Attached (Revised 10/24/2013)



Mr. Salomon Sigala
H2 Environmental Consulting Services, Inc.
13122 6th Street
Chino, California 91710





CUSTOMER TRAINING


Radiation Safety and Operation of Portable XRF Analyzers

This is to certify that

Salmon Sigala


has successfully completed the one-day Thermo Fisher Scientific Portable XRF Analyzer Manufacturer's Training Course. The topics of this course include radiation safety, monitoring, device operation, and machine maintenance of the Thermo Scientific Portable XRF Analyzer.

Course date: 2013-03-22
 Location: Chino, CA
 Certificate Number: RS00380000010Esvs



Sophie Ung
Sophie Ung
EHS Administrator

J. Bluto
James Bluto, CHP
Manager of Health and Safety



ThermoFisher SCIENTIFIC

March 26, 2013

Salmon Sigala
H2 Environmental Consulting Services Inc
13122 6th Street
Chino, CA
UNITED STATES

Subject: Radiation Safety and Operation Training Certificate - Thermo Scientific Portable XRF Analyzers

Dear Salmon:

Congratulations on having successfully completed the Thermo Fisher Scientific Manufacturer's Training Course on the operation, monitoring, and maintenance of our handheld Thermo Scientific Portable X-ray Fluorescence (XRF) analyzers, including the Thermo Scientific Niton XL3 Series and Niton XL2 Series. We admire your effort in attending this course and have enclosed your certificate of completion. This document certifies that you have been trained in radiation safety and monitoring, measurement technology, and routine analyzer maintenance pertaining to the use of Thermo Scientific Portable XRF instruments.

Please feel free to contact us to discuss your testing and analysis needs. Our trained, technical staff will help you identify best practices and testing methods that can increase productivity and help save you time and money.

For further information or to schedule an on-site demonstration at your convenience, please call us at (800) 875-1578. We also invite you to visit our web site at www.thermoscientific.com/pal. We are committed to solving your analysis needs.

Best regards,

Sophie Ung

Sophie Ung
EHS Administrator
Thermo Scientific Portable Analytical Instruments Inc.

ENVIRONMENTAL

Qualitative Fit Test

Employee Name: Salomon Sigala SSN: 7913

Employee Signature: James Bluto Date: 9-3-14

Location: 13122 6th St, Chino, CA 91710

Respirator Specifications:

Brand: ☒ North ☐ 3M ☐ Other: _____

Size: ☐ S ☐ M ☒ L

Type: ☒ 1/2 Face ☐ Full Face ☐ PAPR

Model: ☒ 7700 Series ☐ Other: _____

Test Results:

Negative Pressure Test: ☒ Pass ☐ Fail

Positive Pressure Test: ☒ Pass ☐ Fail

Irritant Smoke Test: ☒ Pass ☐ Fail

☒ Passed Fit Test

☐ Failed Fit Test ☐ Unable to fit test due to facial hair need to shave.

☐ Medical Surveillance: The employer shall establish and maintain an accurate record for each employee subject to medical surveillance in accordance with section 3204 of the General Industry Safety Orders

Trainer Name: W. Thomas Haley

Trainer Signature: [Signature] Date: 9/3/14

**MEDICAL EXAMINER
RECOMMENDATIONS**

Applicant/Employer: Salomon Sigala Date of Birth: 4-18-63
Employer: Ha Environmental
Position Title: _____ Date of Exam: 1-24-14

Considering any job related information provided to me by the employee, either before or upon my request during the course of my evaluation, it is my opinion that based on the results of the:

- ☒ Physical Examination
☐ Physical Ability Testing
☐ Other:

The above signed individual is:

- ☒ Medically acceptable for the position offered.
- ☐ Medically acceptable for the position offered, except that a condition exists which limits work as follows:
 - ☐ Free of communicable diseases at this time, detectable by a general physical exam and the results of any laboratory tests obtained.
 - ☐ Placed on medical hold pending:
- ☐ Other:

PHYSICIAN: Signature: [Signature]
Name: Jackson S. Alparco Jr. M.D.
Date: 2/25/94

* In compliance with the Americans with Disabilities Act, the medical examiner may not list on this form either medical diagnoses or conditions. Only restrictions and/or job-related tasks that cannot be adequately performed by the applicant/employee are to be listed.

RECU 400 472

© 2011 Blackwell Publishing Ltd

5274 2 61 7

02/03/1514 09:56:18 AM

Report Status: Final - Courtesy Copy
SIGALA, SALOMON

Patient Information	Specimen Information	Client Information
SIGAL-A, SALOMON DOB: 04/18/1953 AGE: 50 Gender: M Phone: NO Patient ID: 011211651	Specimen: ENH1211V Requisition: 020711 Collection: 01/24/2014 Received: 01/25/2014 1:00:54 PST Filed: 01/25/2014 1:54:34 PST	Client #: 9158353 MAIL299 ALFARCE, JACKSON S (USHW-CH28) 15512 EL PRADO RD CHENO, CA 91710 3657

Test Name	In Range	Out Of Range	Reference Range	Lab
ZINC FSTCPCGCFSTFIM (ZPP)	33		mcg/dL Industrial Exposure: <100 mcg/dL (Refer to current GSDA regulations (in exposure criteria).)	567 AT
LEAD, P'LOOQ (U9YA)	43		mcg/dL Industrial Exposure: <10 mcg/dL mcg/dL = mcg/100g for GSDA (Refer to current governmental regulations for exposure criteria.)	281

PERFORMING SITE:

14. QUESTIONS TO BE ASKED OF THE WITNESS (If the witness is a person, list the questions to be asked of the witness. If the witness is a document, list the questions to be asked of the document.)

CLIENT SERVICES: 866-677-8378

SIF(1)EN EN3)1212V

PAGE 154

Order: David Rosenberg & the publisher have sold 13 published David Rosenberg books to the publisher of David Rosenberg.



2049-7*****AUTO**MAYO ADC 75197

[illegible]

Dear SALOMON:

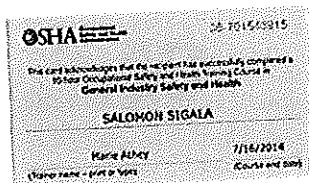
Thank you for taking the 10 Hour General Industry Outreach OSHA Course! It was our pleasure to help you further your success.

Enclosed, you will find your Department of Labor (DOL) card.

If you have any questions, please do not hesitate to contact us at 1-888-360-TRNG or e-mail us at safety@360training.com.

Kind Regards,

360training Team



SID: 2251568

APPENDIX 2

METHODOLOGY

SURVEY METHODOLOGY

ASSESSMENT STUDY GENERAL ORGANIZATION

Prior to beginning the actual inspection, the inspector met with Mr. Jason Thompson to discuss the facility inspection and gain access.

Inspection Procedures

Access was obtained from Mr. Jason Thompson. The Lead XRF Survey was performed by Mr. W. Thomas Haley a California Licensed Consultant/Lead Inspector Assessor/Project Monitor and Mr. Salomon Sigala, Jr. a Certified Lead Sampling Technician (See Appendix 1). An initial building walkthrough was conducted to determine the presence of suspect materials, which were accessible and/or exposed. Materials, which were similar in general appearance, were grouped into homogeneous sampling areas.

LEAD

The inspector performs a visual walk-thru of the building noting all substrates, building, and painting histories. Upon completion the inspector takes a paint chip sample of each noted area and paint down to the substrate. This is to ensure that all layers of paint are tested. When this is done, the sample is placed in an individual container with a unique sample number denoting the building and sample number. At the same time, the inspector fills out a log giving the sample number, color, physical description of the substrate, and the building and what area it was extracted from. Also, the inspector plots the sample on a diagram. The inspector then transports the samples and log to an accredited laboratory along with a chain of custody form that are signed by both the inspector and the laboratory. The laboratory analyzed it by Atomic Absorption Spectrometry (AAS).

When the results from the laboratory are given, a sample log is created and a positive material log is prepared for the report. The positive samples are also plotted on a CAD drawing of the building(s).

QUANTIFICATION

Quantities of accessible and/or exposed building materials that were suspected of containing asbestos were estimated. This estimation was performed by taking approximate measurements in the field and/or estimating quantities based on drawings provided by the client. Materials such as pipe insulation and associated mudded joint packing (MJP) were categorized according to the outside diameter of the insulation. Pipe lagging was quantified by linear footage while the actual numbers of MJPs were counted. Insulation on mechanical equipment such as boilers and ductwork were quantified by the square footage of the surface area of suspect insulation. Similarly, fireproofing, plasters, ceiling and floor tiles, and transite panels were measured in square feet of surface area.

Quantities are estimated and should be confirmed by an engineering survey if renovation or demolition is contemplated. The level of detail provided by an engineering survey, which is required for a construction estimate, is beyond the scope of this survey.

Method of Analysis (Lead)

Atomic Absorption Spectroscopy (AAS)

A wide variety of inorganic elements and matrices are analyzed by atomic absorption spectroscopy (AAS). AAS is the method of choice for precise quantitative determination of single elements in air, water, soil, paint and other matrices. The laboratory's primary instruments are equipped with flame and graphite furnace analytical capability. Flame analysis is suitable for most analytes and matrices including paint, wipes, soils, and air samples. Graphite furnace procedures dramatically decrease detection limits and are appropriate when testing lead in drinking water and personal air monitoring samples. The laboratory also maintains a mercury analyzer with excellent detection limits for mercury in variety of matrices.

X-Ray Fluorescence (XRF) spectrometry

H2 completed the Limited XRF Lead-based Paint Survey with a Niton XLp-300a Spectrum Analyzer, Serial Number 25947. This unit utilizes a Generic 40 mCi Cadmium 109 source.

Note: *The Niton XLp-300a is configured in a manner that does not require substrate correction and does not produce inconclusive testing results.*

METHODOLOGY

XRF spectrometry is based on the fact that, when exposed to high-energy radiation, lead (like many other elements) emits X-rays at a characteristic frequency. The intensity of the rays can be measured and correlated to the amount of lead per unit area (usually in units of milligrams per square centimeter). As regulatory standards for lead in paint may be expressed in other units (e.g. parts per million or per cent concentration by weight), the XRF results may need to be converted. Portable XRF instruments can measure the total amount of lead in a painted surface in situ without damaging the paint or substrate. Portable XRF devices are very easy to use but, because of the radiation hazard, require special training.

Calibration: Before leaving the factory, Niton calibrates the XLp-300a. To further assure the best Quality Assurance/Quality Control, the XLp-300a performs a self-calibration every time the device is turned on. Once the device completes the self-calibration, the sampling technician conducts a calibration check using the Niton supplied NIST Standard Reference Material (SRM 2573). This calibration step consists of a series of three checks with lead standard strips. Additional calibration checks are made at the completion of the testing for the day or every four hours, whichever comes first.

Testing Surfaces for the Presence of Lead: Following calibration of the XRF the painted surfaces are analyzed for lead by entering identifying information (item, component, substrate, side, color, floor and building) regarding the surface into the XRF. The XRF is then placed on the surface. A shutter is raised that allows the X-rays from the radioactive ¹⁰⁹Cadmium source in the XRF to penetrate the surface. These X-rays cause the metal atoms to emit fluorescence (light) and the amount of light is measured by a detector. The light emitted by lead atoms is characteristic of lead and the amount of light is proportional to the amount of lead in the surface. The XRF is programmed in such a way that it reports the amount of lead present to the 95% confident reading of positive or negative versus the HUD lead standard of 1.0 mg/cm². The XRF will test the surface until it obtains the necessary accuracy. For the 309 this usually takes less than one minute. The data is stored, downloaded and presented in the tables in this report.

REPORT FORMAT

The laboratory results were analyzed and the results presented using the H2 Environmental management program and are presented in the analytical results section of this report. Since the results are oriented to data only, a short explanation of each element contained therein is given below. It explains the content of each data column and its relationship with other items on the page.

LEAD

Material Number - This line represents the assigned laboratory report number for each particular set of samples submitted to the laboratory.

Area Sampled - This column describes the area where the actual sample was collected as described by the inspector at the time of the survey.

Substrate - This column describes the material submitted and analyzed.

Lead Results - Lead Containing Paint or Ceramic Tiles is defined as paint, tile or other surface coatings, that contain an amount of lead that is greater than or equal to:

0.7 mg/cm² By XRF Method

Sampled Building Materials – Section 1 Survey Summary

Homogeneous Material Number - This number is the field sample number.

Material Description - Indicates size and type of suspect sampled material.

Location(s) of Material - This column provides the general location of the suspect material.

F/NF - Describes whether the material is friable or non-friable.

Condition - Indicates current appearance of the material during the inspection.

% ACM - Percentage of Asbestos found after analysis.

Samp. - Number of samples taken.

Quantity - Square or linear measurement of suspect materials sampled.

APPENDIX 3

WARRANTY

WARRANTY

H2 Environmental Consulting Services warrants that the findings contained herein have been promulgated in general accordance with accepted professional practices at the time of its preparation as applied by professionals in the community. Changes in the state of the art or in applicable regulations cannot be anticipated and have not been addressed in this report.

The field and laboratory results reported herein are considered sufficient in detail and scope to determine the presence, condition and hazard potential of accessible and/or exposed suspect asbestos-containing building materials on the property at the time of inspection. Test results are valid only for the material tested.

There is a possibility that conditions may exist which could not be identified within the scope of the survey or which were not apparent during the site visit.

This inspection covered only those areas, which were exposed and/or physically accessible to the inspector as outlined by the scope of work. The study is also limited to the information available from the client at the time it was conducted.

No other warranties are implied or expressed.