

September 13, 2012

Mr. Stuart G. Seiden, Division Manager
Capital Projects Division
County of Fresno
2220 Tulare Street, Seventh Floor
Fresno, CA 93721

Asbestos Survey for Demolition
Residence at 4402 South Bell Avenue, Kerman
HMS, Inc. Project No. F12273

Dear Mr. Seiden:

This letter reports the results of the survey for asbestos-containing materials (ACM) performed on September 7, 2012, by Hazard Management Services, Inc. (HMS, Inc.) at the site referenced above. This survey was conducted at the County's request to identify asbestos-containing materials that will be impacted by demolition of the structure.

The survey was performed by Mark Allen and Joe Vuglia, who are certified by Cal/OSHA to provide asbestos inspection services. All areas were made accessible to the inspectors and all areas were inspected. There were several building materials observed which are considered "suspect" under US EPA guidelines. Under current US EPA guidelines for conducting building inspections for ACM, all "suspect" building materials must be **assumed** to contain asbestos until otherwise determined by laboratory testing. A complete list of suspect materials which were discovered, sampled, and reported in this survey is included in Appendix A.

INSPECTION PROTOCOL

The following inspection process was followed by HMS, Inc. at the above referenced site:

The residence was unlocked, and all areas were accessible to the inspectors.

The spaces were visually inspected for suspect materials.

Representative bulk samples of each suspect material were collected using a scraper, chisel, or power drill. Sample locations are indicated on the bulk sample chain of custody form included with this report. The samples were analyzed using polarized light microscopy with dispersion staining (PLM) by Forensic Analytical in Hayward, CA, a NVLAP accredited laboratory.

If any materials other than those included in this report are discovered during demolition, it must be assumed that the materials contain asbestos and the project should then be halted and re-evaluated.

BULK SAMPLES

HMS, Inc. collected 21 bulk samples of suspect materials identified at the site. See the attached laboratory report for analysis information.

RESULTS

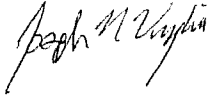
No asbestos was detected.

DISCLAIMERS

The nature of demolition is such that materials can be uncovered which previously were unknown to exist. Therefore, HMS, Inc. cannot be responsible for "hidden materials", although every effort was made during the inspection to detect all suspect materials. If any materials other than those included herein are discovered during demolition, it must be assumed that the materials are asbestos-containing, and the project should then be halted and re-evaluated.

If you have any questions regarding this report, please contact our Fresno office at (559) 436-0277.

Sincerely,



Joe Vuglia, CSST #11-4746
Project Manager

Reviewed by: Donna G. Harris, CAC 07-4210
Operations Manager



Enc.

Appendix A**Residence at 4402 South Bell Avenue, Kerman****HMS Project No. F12273****Survey Date: September 7, 2012****BUILDING DESCRIPTION**

The structure is a single-family residence with an unknown construction date. The exterior construction of the building consists of a concrete base, wood framing, wood panel siding, and rolled composition roofing. Interior walls and ceilings consist of drywall with various texture finishes. The kitchen and bathroom contain various ceramic tile finishes. The den/family room contains a built-in masonry fireplace. Floor coverings consist of vinyl floor tile, sheet flooring, and tacked carpet.

BULK SAMPLE RESULTS

The following suspect materials were identified in the structures, and bulk samples were collected and analyzed:

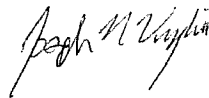
Sheet flooring and glue (multiple layers)
12" vinyl floor tile and mastic
Drywall (various textures)
Ceramic tile grout (various)
Stone and mortar
Brick and mortar
Exterior trim paint

Rolled composition roofing
Penetration mastic
Vapor barrier
HVAC duct sealant
Thermal tape and sealant
Blown-in insulation

RESULTS

No asbestos was detected in any of the above listed suspect materials. If other materials are discovered during demolition, they must be assumed to contain asbestos and the project must be halted and reevaluated.

Written by: Joe Vuglia, CSST #11-4746
Project Manager
Hazard Management Services, Inc.



Reviewed by: Donna G. Harris, CAC 07-4210
Operations Manager
Hazard Management Services, Inc.



Date: September 6, 2012

Attachment C

BULK MATERIAL Analysis Request Form for Hazard Management Services, Inc.

Page 1 of 3

P.O. BOX 576848
MODESTO, CA 95357-6848
(209) 551-2000
FAX (209) 575-5667

371 E. BULLARD, #109
FRESNO, CA 93710
(559) 436-0277
FAX (559) 436-0279

4949 BUCKLEY WAY #108
BAKERSFIELD, CA 93309-4881
(881) 833-0351
FAX (661) 833-0361

Date: 9-7-12

Contact: Mark Allen

Bill: HMS, Inc.

Special Instructions: Please email results to

mallen@hazmanage.com, thanks

Collected by: M. Allen & J. Vuolia

Date Collected: 9-7-12

Job I.D.: F12273-County of Fresno

Job Site: 4402 S. Bell Avenue, Kerman, CA

Laboratory: Forensic Analytical

SAMPLE #	RESULTS	MATERIAL DESCRIPTION/LOCATION
HMS-COF-4402-F12273-01A	None Detected	Sheet flooring and glue (multi-layer) Pantry, at center
HMS-COF-4402-F12273-02A	None Detected	Drywall with splatter texture Kitchen, wall at south side center
HMS-COF-4402-F12273-02B	None Detected	Drywall with splatter texture with tape and joint compound Kitchen, wall at southeast corner
HMS-COF-4402-F12273-02C	None Detected	Drywall with splatter texture with tape and joint compound Bedroom 1, at northeast corner
HMS-COF-4402-F12273-03A	None Detected	Drywall with trowel texture Living room, wall at north side center
HMS-COF-4402-F12273-03B	None Detected	Drywall with trowel texture with tape and joint compound Living room, wall at northeast corner
HMS-COF-4402-F12273-03C	None Detected	Drywall with trowel texture with tape and joint compound Bedroom 3, wall at southeast corner
HMS-COF-4402-F12273-03D	None Detected	Drywall with trowel texture with tape and joint compound Hall, ceiling at northwest corner
HMS-COF-4402-F12273-04A	None Detected	Stone with brown mortar Dining/den, east side at stove hearth
HMS-COF-4402-F12273-05A	None Detected	Fire brick and mortar Dining/den, within stove

Submitted by:

Date: 9-7-12

Received by:

Date: 9-10-12 @ 10:30 am fp

Attachment C

BULK MATERIAL Analysis Request Form for Hazard Management Services, Inc.

Page 2 of 3

P.O. BOX 576848
MODESTO, CA 95357-6848
(209) 551-2000
FAX (209) 575-5657

371 E. BULLARD, #109
FRESNO, CA 93710
(559) 436-0277
FAX (559) 436-0279

4949 BUCKLEY WAY #108
BAKERSFIELD, CA 93309-4881
(661) 833-0351
FAX (661) 833-0361

Date: 9-7-12

Contact: Mark Allen

Bill: HMS, Inc.

Special Instructions: Please email results to

Analysis Requested

mallen@hazmanage.com, thanks

X PLM with Dispersion Staining

Collected by: M. Allen & J. Vuglia

2 hr. X 24 hr. 48 hr. Extended

Date Collected: 9-7-12

 TEM Bulk (5 Day)

Job I.D.: F12273-County of Fresno

Job Site: 4402 S. Bell Avenue, Kerman, CA

Laboratory: Forensic Analytical

SAMPLE #	RESULTS	MATERIAL DESCRIPTION/LOCATION
HMS-COF-4402-F12273-06A	<i>None Detected</i>	12" vinyl floor tile and glue Living room, south side at entry corner
HMS-COF-4402-F12273-07A	<i>None Detected</i>	Ceramic tile grout (off white) Bath room, east side at counter
HMS-COF-4402-F12273-08A	<i>None Detected</i>	Composition rolled roofing and tar Exterior roof, at south side center
HMS-COF-4402-F12273-09A	<i>None Detected</i>	Penetration mastic At the roof mechanical unit, near N-W corner
HMS-COF-4402-F12273-10A	<i>None Detected</i>	Vapor barrier Exterior, south side center, behind wood
HMS-COF-4402-F12273-11A	<i>None Detected</i>	Off white trim paint Exterior, south side center
HMS-COF-4402-F12273-12A	<i>None Detected</i>	Grey flange sealant Exterior, roof at HVAC unit
HMS-COF-4402-F12273-13A	<i>None Detected</i>	Thermal tape and sealer Exterior, roof at stove flue
HMS-COF-4402-F12273-14A	<i>None Detected</i>	12" vinyl floor tile and glue Bathroom, north side at entry
HMS-COF-4402-F12273-15A	<i>None Detected</i>	Blown-in insulation Attic, at hall closet access

Submitted by: Mark Allen

Date: 9-7-12

Received by: [Signature]

Date: 9-10-12 @ 10:20am [Signature]

Attachment C

BULK MATERIAL Analysis Request Form for Hazard Management Services, Inc.

Page 3 of 3

P.O. BOX 576848
MODESTO, CA 95357-6848
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(559) 436-0277
FAX (559) 436-0279

4949 BUCKLEY WAY #108
BAKERSFIELD, CA 93309-4881
(661) 833-0351
FAX (661) 833-0361

Date: 9-7-12

Contact: Mark Allen

Bill: HMS, Inc.

Special Instructions: Please email results to
mallen@hazmanage.com, thanks

Analysis Requested

X PLM with Dispersion Staining

Collected by: M. Allen & J. Vuglia

 2 hr. X 24 hr. 48 hr. Extended

Date Collected: 9-7-12

___ TEM Bulk (5 Day)

Job I.D.: F12273-County of Fresno

Job Site: 4402 S. Bell Avenue, Kerman, CA

Laboratory: Forensic Analytical[illegible]

Submitted by: Hugh Allen

Date: 9-7-12

Received by John

Date: 9-10-12 @ 10:30 AM



Bulk Asbestos Analysis

(EPA Method 600/R-93-116, Visual Area Estimation)

Hazard Mgmt Svcs-Fresno/Bakersfield
Mark Allen
Fresno Location
371 E. Bullard Ave., Ste. 109
Fresno, CA 93710

Client ID: 1636
Report Number: B167991
Date Received: 09/10/12
Date Analyzed: 09/11/12
Date Printed: 09/11/12
First Reported: 09/11/12

Job ID/Site: F12273 - County of Fresno, 4402 S. Bell Avenue, Kerman, CA**FALI Job ID:** 1636**Date(s) Collected:** 09/07/2012**Total Samples Submitted:** 21**Total Samples Analyzed:** 21

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
HMS-COF-4402-F12273-01A	11295657						
Layer: White Sheet Flooring			ND				
Layer: Fibrous Backing			ND				
Layer: Yellow Mastic			ND				
Layer: Grey Sheet Flooring			ND				
Layer: Fibrous Backing			ND				
Layer: Yellow Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (20 %) Fibrous Glass (5 %) Synthetic (10 %)							
Comment: Bulk complex sample.							
HMS-COF-4402-F12273-02A	11295658						
Layer: White Drywall			ND				
Layer: Off-White Texture			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (20 %) Fibrous Glass (10 %)							
HMS-COF-4402-F12273-02B	11295659						
Layer: White Drywall			ND				
Layer: Off-White Joint Compound			ND				
Layer: White Tape			ND				
Layer: Off-White Texture			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (20 %) Fibrous Glass (10 %)							
HMS-COF-4402-F12273-02C	11295660						
Layer: White Drywall			ND				
Layer: Off-White Joint Compound			ND				
Layer: White Tape			ND				
Layer: Off-White Texture			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (20 %) Fibrous Glass (10 %)							

Attachment C

Report Number: B167991

Date Printed: 09/11/12

Client Name: Hazard Mgmt Svcs-Fresno/Bakersfield

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
HMS-COF-4402-F12273-03A	11295661						
Layer: White Drywall			ND				
Layer: Off-White Texture			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (20 %) Fibrous Glass (10 %)							
HMS-COF-4402-F12273-03B	11295662						
Layer: White Drywall			ND				
Layer: Off-White Joint Compound			ND				
Layer: White Tape			ND				
Layer: Off-White Texture			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (20 %) Fibrous Glass (10 %)							
HMS-COF-4402-F12273-03C	11295663						
Layer: White Drywall			ND				
Layer: Off-White Joint Compound			ND				
Layer: White Tape			ND				
Layer: Off-White Texture			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (20 %) Fibrous Glass (10 %)							
HMS-COF-4402-F12273-03D	11295664						
Layer: White Drywall			ND				
Layer: Off-White Joint Compound			ND				
Layer: White Tape			ND				
Layer: Off-White Texture			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (20 %) Fibrous Glass (10 %)							
HMS-COF-4402-F12273-04A	11295665						
Layer: Brown Mortar			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
HMS-COF-4402-F12273-05A	11295666						
Layer: Red-Brown Non-Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
HMS-COF-4402-F12273-06A	11295667						
Layer: White Tile			ND				
Layer: Yellow Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							

Attachment C

Client Name: Hazard Mgmt Svcs-Fresno/Bakersfield				Report Number: B167991			
				Date Printed: 09/11/12			
Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
HMS-COF-4402-F12273-07A	11295668						
Layer: Off-White Grout			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
HMS-COF-4402-F12273-08A	11295669						
Layer: Tan Roof Shingle			ND				
Layer: Tan Roof Shingle			ND				
Layer: Tan Roof Shingle			ND				
Layer: Grey Roof Shingle			ND				
Layer: Black Felt			ND				
Layer: Black Felt			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (55 %) Fibrous Glass (30 %)							
Comment: Bulk complex sample.							
HMS-COF-4402-F12273-09A	11295670						
Layer: White Mastic			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
HMS-COF-4402-F12273-10A	11295671						
Layer: Brown Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (95 %)							
HMS-COF-4402-F12273-11A	11295672						
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
HMS-COF-4402-F12273-12A	11295673						
Layer: Grey Non-Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
HMS-COF-4402-F12273-13A	11295674						
Layer: Silver Tape			ND				
Layer: Grey Non-Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
HMS-COF-4402-F12273-14A	11295675						
Layer: White Tile			ND				
Layer: Yellow Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							

Attachment C

Client Name: Hazard Mgmt Svcs-Fresno/Bakersfield
Report Number: B167991
Date Printed: 09/11/12

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
HMS-COF-4402-F12273-15A	11295676						
Layer: Yellow Fibrous Material			ND				
Layer: Pink Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace) Fibrous Glass (99 %)							
HMS-COF-4402-F12273-16A	11295677						
Layer: Brown Grout			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					



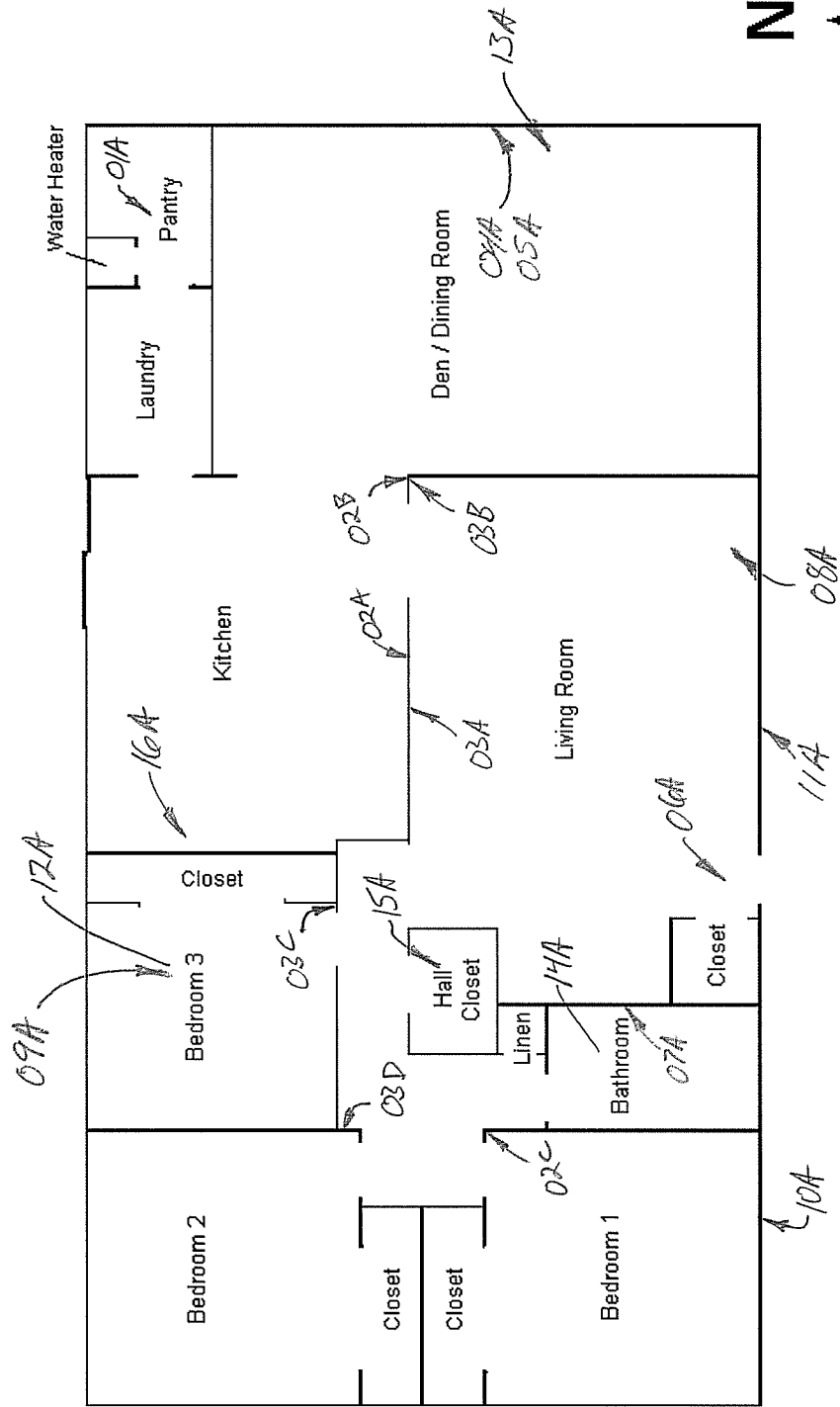
Tad Thrower, Laboratory Supervisor, Hayward Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

Analytical results and reports are generated by Forensic Analytical Laboratories Inc. (FALI) at the request of and for the exclusive use of the person or entity (client) named on such report. Results, reports or copies of same will not be released by FALI to any third party without prior written request from client. This report applies only to the sample(s) tested. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full, unless approved by FALI. The client is solely responsible for the use and interpretation of test results and reports requested from FALI. Forensic Analytical Laboratories Inc. is not able to assess the degree of hazard resulting from materials analyzed. FALI reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified. All samples were received in acceptable condition unless otherwise noted.

Fresno County 4402 South Bell

F12273 September 2012



1/8" = 1'

Drawing not to exact scale.

HMS, INC.

HAZARD MANAGEMENT SERVICES, INC.

LIMITED
LEAD BASED PAINT SURVEY
By XRF

FRESNO COUNTY

RESIDENCE AT
4402 SOUTH BELL AVENUE
FRESNO, CA

SEPTEMBER 7, 2012

Survey Performed
by

HAZARD MANAGEMENT SERVICES, INC.
371 East Bullard Avenue
Fresno, CA 93710-5217
(559) 436-0277

Attachment C

HMS, INC.

HAZARD MANAGEMENT SERVICES, INC.

LIMITED LEAD-BASED PAINT SURVEY BY XRF

FRESNO COUNTY

**RESIDENCE AT
4402 SOUTH BELL AVENUE
FRESNO, CA**

REVIEWED BY



Mark Allen

**DPH CERTIFIED LEADINSPECTOR / ASSESSOR
CERT. #16594 Expiration (12-8-2012)**

09-07-12
DATE

Attachment C

LIMITED LEAD-BASED PAINT (LBP) INSPECTION AND SAMPLE PROTOCOL

The lead-based paint testing at this location was conducted using the following inspection and sampling protocol:

EPA/HUD/CDPH: Paint which contains at least 1.0 mg/cm², 5000 parts per million, or 0.5% by weight of lead meets the definition of "lead-based paint" as established by these agencies

OSHA & Cal/OSHA: Regulates disturbance of paint which contains any detectable amount of lead.

Cal/OSHA requires notification if over 100 sq. ft. of lead based paint (1.0 mg/cm² or higher) or presumed LBP (untested paint) is disturbed.

CONSTRUCTION YEAR

The construction year is unknown. Non-intact paint and surfaces have been sampled

CONDITION

The condition of the paint was classified as follows:

INTACT: Paint is in good condition, with no chips, abrasions or delamination.

FAIR: Paint is reasonably intact, with minor chips and slight abrasions.

POOR: Paint is chipped, scraped, delaminated, or peeling.

EQUIPMENT AND CALIBRATION

Lead-based paint determination was performed using a Niton X-Ray Fluorescence (XRF) detector. Verification of calibration was performed prior to and immediately following testing.

DISCLAIMER

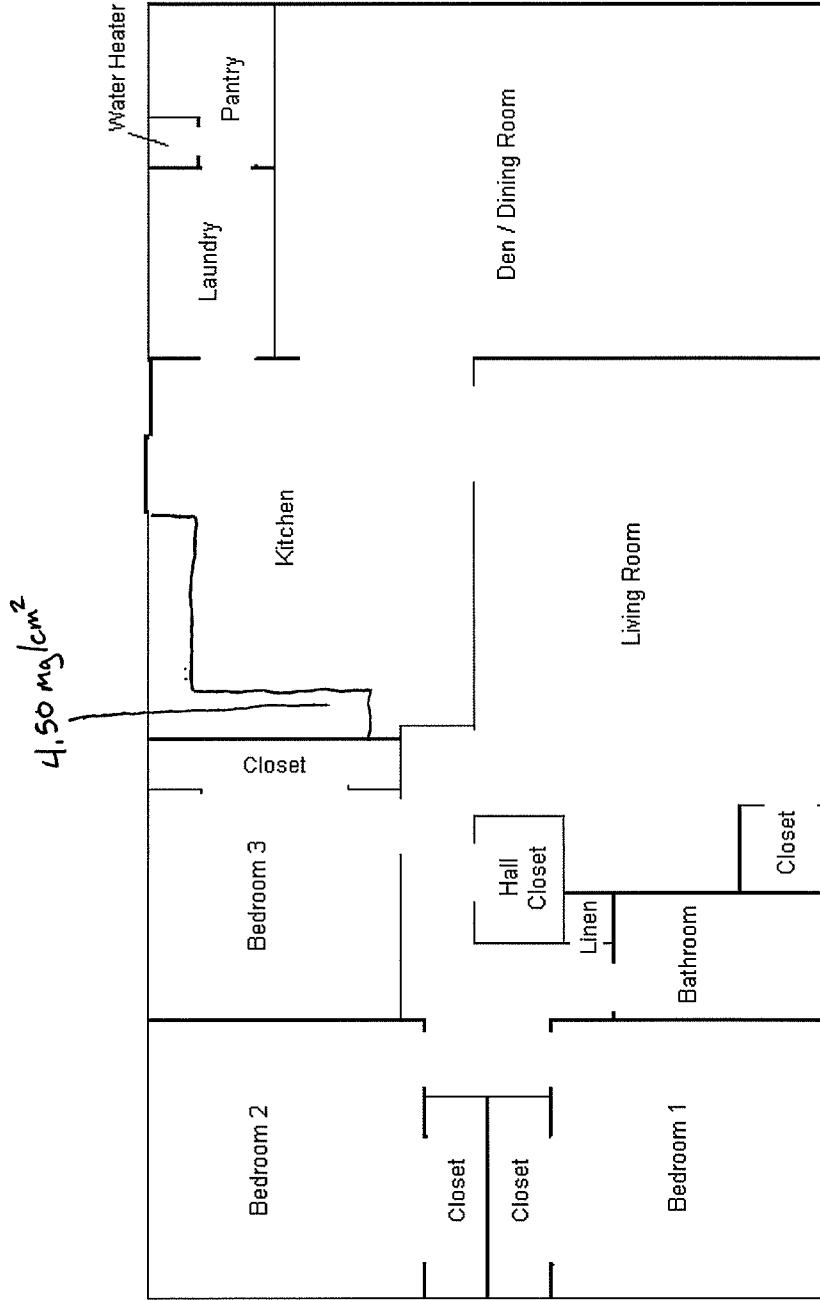
Hazard Management Services, Inc. (HMS, Inc.) has made every effort to sample every paint type and substrate that is in a non-intact state. If a paint or surface that is not intact is not listed in this report, the paint must be assumed to contain lead, and the paint or surface must be stabilized or removed prior to demolition.

**LIMITED SURVEY FOR LEAD BASED PAINT
FRESNO COUNTY**

Structure Type:		Residential				Date:		9-7-12	
Address:		4402 South Bell Avenue, Fresno, CA				HMS Job #:		F12273	
Start Time:	10:30	Calibration:	1.04 =	1.10	1.04 =	1.10	Technician:	Joe Vuglia CDPH #22314	
End Time:	11:00	Calibration:	1.04 =	1.00	1.04 =	1.20	Inspector/Assessor:	Mark Allen CDPH #16594	
Nifon XLP 300 A22263		See Lead-Based Paint Inspection, Sampling Protocol, & Definition of Lead-Based Paint on Page 1				Condition Codes: I = Intact, F = Fair, P = Poor			
No.	Sample Location	Component				Substrate	Color	Condition	XRF Result (mg/cm2)
	EXTERIOR								
91	NORTH SIDE AT CENTER	WALL				WOOD	OFF-WHITE	P	0.00
92	NORTH SIDE AT CENTER	TRIM				WOOD	TAN	F	0.00
93	NORTH SIDE AT CENTER	EAVE				WOOD	TAN	P	0.00
	INTERIOR								
94	KITCHEN - WEST SIDE AT CENTER	COUNTER				CERAMIC TILE	OFF-WHITE	I	4.50
95	KITCHEN - NORTH SIDE AT CENTER	SINK				PORCELAIN	WHITE	I	0.01
96	BATHROOM - SOUTH SIDE AT CENTER	SHOWER				CERAMIC TILE	ROSE	I	0.06
97	BATHROOM - SOUTH SIDE AT CENTER	TUB				PORCELAIN	TAN	I	0.00
98	BATHROOM - EAST SIDE AT SOUTH END	TOILET				PORCELAIN	TAN	I	0.01
99	BATHROOM - EAST SIDE AT NORTH END	SINK				PORCELAIN	TAN	I	0.00

**Fresno County
4402 South Bell.**

F12273 September 2012



1/8" = 1'

Drawing not to exact scale.

