

BULK MATERIAL Analysis Request Form

Page of

Hazard Management Services, Inc.

4949 BUCKLEY WAY #108
BAKERSFIELD, CA 93309
(861) 833-0351
FAX (861) 833-0361

Date: 3-15-05

Contact: Chris Olson

Special Instructions: Please fax results as soon as ready

Analysis Requested

XX PLM with Dispersion Staining

 2 hr. XX 24 hr. 48 hr. Extended

Collected by: Chris Olson

 AA Flame

Date Collected: 3-15-05

 TEM Bulk (5 Day)

Job I.D.: F050100 Bakersfield City School District

Job Site: Roosevelt School / Kitchen, storage, lounge

Laboratory: FASI

SAMPLE #	RESULTS	MATERIAL DESCRIPTION/LOCATION
HMS-BCSD-FES-F05100-01A		yellow/brown Linoleum on wall Kitchen wall at west side up to 7 ft.
HMS-BCSD-FES-F05100-02A		painted white Linoleum on walls Dinning room, all walls up to 7 ft.
HMS-BCSD-FES-F05100-03A		Linoleum under carpet Staff lounge south side
HMS-BCSD-FES-F05100-04A		12 in. Brown floor tile and Black mastic kitchen floor

Submitted by: [Signature]
Received by: [Signature]

Date: 3-15-05
Date: 3/16/05 G/BSM



Forensic Analytical

Bulk Asbestos Analysis

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

HMS, Inc.
Chris Olsen
371 East Bullard, Suite 109

Fresno, CA 93710

Client ID: 4344
Report Number: B070754
Date Received: 03/16/05
Date Analyzed: 03/16/05
Date Printed: 03/17/05
First Reported: 03/17/05

Job ID/Site: F05100 - Bakersfield City School District, Roosevelt School/ Kitchen, Storage.
Lounge
Date(s) Collected: 03/15/2005

FASI Job ID: 4344-281
Total Samples Submitted: 4
Total Samples Analyzed: 4

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
HMS-BCSD-FES-F05100-01A	10400604						
Layer: Beige Sheet Flooring			ND				
Layer: Fibrous Backing		Chrysotile	70 %				
Total Composite Values of Fibrous Components:		Asbestos (25%)					
Cellulose (5 %)							
HMS-BCSD-FES-F05100-02A	10400605						
Layer: Off-White Sheet Flooring			ND				
Layer: Fibrous Backing			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (20 %) Fibrous Glass (5 %) Synthetic (10 %)							
HMS-BCSD-FES-F05100-03A	10400606						
Layer: Brown Sheet Flooring			ND				
Layer: Fibrous Backing			ND				
Layer: Tan Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (20 %) Fibrous Glass (5 %) Synthetic (10 %)							
HMS-BCSD-FES-F05100-04A	10400607						
Layer: Brown Tile			ND				
Layer: Black Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							

James Flores, Laboratory Supervisor, Hayward Laboratory

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

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Bulk Asbestos Analysis

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

Bakersfield City School District
Mike Hamlin
1501 Feliz Drive

Bakerfield, CA 93307

Client ID: 5177
Report Number: B071197
Date Received: 03/25/05
Date Analyzed: 03/28/05
Date Printed: 03/28/05
First Reported: 03/28/05

Job ID/Site: Roosevelt Elementary

FASI Job ID: 5177-270

Date(s) Collected: 03/24/2005

Total Samples Submitted: 6

Total Samples Analyzed: 6

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
B001-1-01	10403544						
Layer: Brown Non-Fibrous Material			ND				
Layer: Tan Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
B001-1-02	10403545						
Layer: Brown Non-Fibrous Material			ND				
Layer: Tan Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
B001-1-03	10403546						
Layer: Brown Non-Fibrous Material			ND				
Layer: Tan Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
B601-2-01	10403547						
Layer: Tan Tile			ND				
Layer: Black Mastic		Chrysotile	2 %				
Total Composite Values of Fibrous Components:		Asbestos (Trace)					
Cellulose (2 %)							
B001-2-02	10403548						
Layer: Tan Tile			ND				
Layer: Black Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (2 %)							
B001-2-03	10403549						
Layer: Tan Tile			ND				
Layer: Black Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (2 %)							

REMOVED

6/05 (ADATED)



Forensic Analytical

Client Name: Bakersfield City School District

Report Number: B071197

Date Printed: 03/28/05

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
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James Flores, Laboratory Supervisor, Hayward Laboratory

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

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Forensic Analytical

Bulk Asbestos Analysis

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

Bakersfield City School District
Mike Hamlin
1501 Feliz Drive

Bakersfield, CA 93303-1847

Client ID: 5177
Report Number: B098118
Date Received: 04/23/07
Date Analyzed: 04/24/07
Date Printed: 04/24/07
First Reported: 04/24/07

Job ID/Site: Bakersfield City School District - Roosevelt Elementary - MPR Kitchen Attic**FASI Job ID:** 5177-281**Date(s) Collected:** 04/19/2007**Total Samples Submitted:** 4**Total Samples Analyzed:** 4

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
REMPR01	10631995						
Layer: White Semi-Fibrous Material		Chrysotile	15 %	Amosite	20 %		
Total Composite Values of Fibrous Components:		Asbestos (35%)					
Cellulose (Trace) Fibrous Glass (5 %)							
REMPR02	10631996						
Layer: White Semi-Fibrous Material		Chrysotile	15 %	Amosite	20 %		
Total Composite Values of Fibrous Components:		Asbestos (35%)					
Cellulose (Trace) Fibrous Glass (7 %)							
PR03	10631997						
Layer: White Semi-Fibrous Material		Chrysotile	15 %	Amosite	20 %		
Total Composite Values of Fibrous Components:		Asbestos (35%)					
Cellulose (Trace) Fibrous Glass (7 %)							
REMPR04	10631998						
Layer: White Semi-Fibrous Material		Chrysotile	15 %	Amosite	20 %		
Total Composite Values of Fibrous Components:		Asbestos (35%)					
Cellulose (Trace) Fibrous Glass (7 %)							

James Flores, Laboratory Supervisor, Hayward Laboratory

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

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ASBESTOS ANALYSIS BULK SAMPLE REQUEST FORM

Self-Insured Schools of California (SISC) (#5177) Safety and Loss Control P.O. Box 1847 Bakersfield, CA 93303-1847	Date: 4-19-07
	SISC Contact: Catherine Jones
	Telephone No.: (661) 636-4604
	Fax No.: (661) 636-4418

Billing Instructions	Analysis Requested
District: Bakersfield City School District	<input checked="" type="checkbox"/> PLM
ATTN: Mike Hamlin	<input type="checkbox"/> 2-Hour* <input checked="" type="checkbox"/> 24-Hour <input checked="" type="checkbox"/> Extended
1501 Feliz Drive	<input type="checkbox"/> TEM Water <input type="checkbox"/> TEM Bulk Qualitative
Bakersfield, CA 93307	<input type="checkbox"/> TEM Bulk Quantitative
School Site: Roosevelt Elementary – MPR Kitchen Attic	
Telephone No: 661-631-5887	Results Needed By:
Collected By: Kirsten Bellamy-SISC 661-636-4590	*Five sample limit per submission on 2-hour rush

Sample No.	Date Collected	Material Description	Location of Sample
REMPR01	4-19-07	TSI	Pipe in kitchen attic
REMPR02	4-19-07	TSI	Pipe in kitchen attic
REMPR03	4-19-07	MJP	Pipe in kitchen attic
REMPR04	4-19-07	MJP	Pipe in kitchen attic

PLEASE TEST TO FIRST POSITIVE. E-MAIL RESULTS TO kibellamy@kern.org

Relinquished By: <i>K Bellamy</i>	Date/Time: 4/20/07 10:20
Received By: <i>[Signature]</i>	Date/Time: APR 23 2007
Relinquished By:	Date/Time:
Received By:	Date/Time:
Relinquished By:	Date/Time:
Received By:	Date/Time:

HMS, Inc.
HAZARD MANAGEMENT SERVICES, INC

4949 Buckley Way, #108
Bakersfield, CA 93309-4881
(661) 833-0351 • (661) 833-0361 Fax

RECEIVED
DEC 12 2007
M & O

December 7, 2007

Mr. Mike Hamlin, Assistant Director of Maintenance and Operations
Bakersfield City School District
1300 Baker Street
Bakersfield, CA 93305

Roosevelt School - Asbestos Sampling Results

Dear Mr. Hamlin:

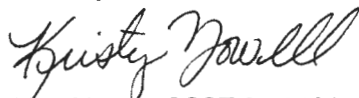
Pursuant to your request, limited sampling for asbestos-containing materials was conducted on November 30, 2007, by Hazard Management Services, Inc. (HMS, Inc.) at Roosevelt School located at 2324 Verde Street, Bakersfield, CA. The sampling was performed by Kristy Yowell, certified by Cal/OSHA to provide asbestos inspection services. The sampling was limited to the locations and materials identified by you.

Samples of TSI on pipe straights in the attic space above the water heater room were collected. The samples were shipped to Forensic Analytical in Hayward, CA., and analyzed using polarized light microscopy (PLM) with dispersion staining. **Laboratory analysis indicates that the samples of the TSI are 10% Chrysotile and 3% Amosite.** Attached please find a copy of the chain of custody and laboratory results.

If any suspect materials other than those sampled are discovered or must be disturbed, it must be assumed that the materials are asbestos-containing, and the project should then be halted and reevaluated

If you have any questions regarding this report, or if you would like any additional services, please contact our Bakersfield office at (661) 833-0351.

Sincerely,



Kristy Yowell, CSST 05-3881
Project Manager

Reviewed by: Donna G. Harris, CAC #07-4210
Vice President of Operations



Enc.

DEC-04-2007 10:45



Forensic Analytical

P. 01

FINAL REPORT

Bulk Asbestos Analysis

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

Hazard Mgmt Services - Fresno
 Kristy Yowell
 Fresno Location
 371 E. Bullard Ave., Ste. 109
 Fresno, CA 93710

Client ID: 1636
 Report Number: B106758
 Date Received: 12/03/07
 Date Analyzed: 12/04/07
 Date Printed: 12/04/07
 First Reported: 12/04/07

Job ID/Site: F07355 - Bakersfield City SD - Roosevelt ES

FASI Job ID: 1636

Date(s) Collected: 11/30/2007

Total Samples Submitted: 2

Total Samples Analyzed: 2

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
HMS-BCSD-RES-F07355-01A	10705253						
Layer: Off-White Semi-Fibrous Material		Chrysotile	10 %	Amosite	3 %		
Total Composite Values of Fibrous Components:		Asbestos (13%)					
Cellulose (Trace)							
HMS-BCSD-RES-F07355-01B	10705254						
Layer: Off-White Semi-Fibrous Material		Chrysotile	10 %	Amosite	3 %		
Total Composite Values of Fibrous Components:		Asbestos (13%)					
Cellulose (Trace)							

James Flores, Laboratory Supervisor, Hayward Laboratory

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

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Roosevelt School

- **Bldg 001 – Multipurpose**
 - The linoleum and mastic in the kitchen were abated.
 - The 9"x 9" vinyl floor tile and mastic in the kitchen were abated.
 - The 12"x 12" vinyl floor tile and mastic in the kitchen were abated.
 - The interior and exterior duct insulation in the stage lofts were abated.
 - The mudded joints on pipe covering in the kitchen attic tested positive for asbestos.
- **Building 004 - Rooms 18-22**
 - The transit flue in the custodian closet is assumed to contain asbestos.
- **Building 006 - Rooms 28-29**
 - The transite furnace panels in the classrooms were abated.
 - The linoleum and mastic on easel and countertop in room 29 tested negative for asbestos.
- **Building 009 - Rooms 23-25**
 - The linoleum and mastic on the easels in rooms 23-25 tested negative for asbestos.
 - The linoleum and mastic on the countertops in rooms 23 and 25 tested negative for asbestos.
 - The linoleum and mastic on the countertop in room 24 tested positive for asbestos.

Sequoia Middle School

- **Building 002 - Room 36**
 - The 12"x 12" vinyl floor tile tested negative for asbestos.
- **Building 004 – Cafeteria**
 - The 9"x 9" vinyl floor tile and mastic were abated.
 - The 12"x 12" vinyl floor tile and mastic tested negative for asbestos.
 - The linoleum flooring and mastic in the kitchen tested negative for asbestos.
- **Building 006 - Room 18**
 - The linoleum flooring and mastic tested negative for asbestos.
- **Building 008 - Room 5**
 - The 9"x 9" vinyl floor tile and mastic were abated.
 - The 12"x 12" vinyl floor tile and mastic tested negative for asbestos.

Sierra Middle School

- **Building 001 - Rooms 23-25**
 - The transite panels were abated.
 - The gasket was abated in room 23.
- **Building 003 – Office / Library**
 - The 9"x 9" vinyl floor tile and mastic were abated in the workroom.
 - The interior duct insulation in the hot water closet was abated.
- **Building 004 - Rooms 26-29**
 - The interior duct insulation in the hot water closet was abated.
- **Building 005 – Cafeteria**
 - The 9"x 9" vinyl floor tile and mastic were abated in the kitchen.
 - The 12"x 12" acoustical-ceiling tiles were abated in the kitchen.
 - The interior duct insulation in the kitchen and mechanical room was abated.



Hazard Management Services, Inc.

2124 F Street, Suite C • Bakersfield, CA 93301
(661) 636-0351 • www.hazmanage.com

January 23, 2017

Mr. Gary Long
Bakersfield City School District
1300 Baker Street
Bakersfield, CA 93305

Roosevelt Elementary School
MPR Building – Stage – North Wall
Limited Asbestos Sampling Results

Dear Mr. Long,

Pursuant to your request, additional sampling of the plaster at the north wall of the Stage in the MPR Building was conducted on January 13, 2017, by Hazard Management Services, Inc. (HMS, Inc.) at Roosevelt Elementary School, located at 2324 Verde Street, Bakersfield, CA. The sampling was performed by Kristy Yowell, who is a Cal/OSHA certified asbestos consultant. The sampling was limited to the material identified by you that will be disturbed during the installation of a projector.

One sample of plaster wall material was collected at the north Stage wall to supplement previous sampling of this material. This sample was collected and analyzed to confirm that the plaster does not contain asbestos based on previous sampling results as reported in this school's Asbestos Management Plan. The sample was shipped to Forensic Analytical Laboratory in Hayward, CA, and analyzed using polarized light microscopy (PLM) with dispersion staining. Attached please find a copy of the chain of custody, and laboratory results.

RESULTS

SAMPLE No.	LOCATIONS	MATERIAL	RESULT
SISC Sample 61498	MPR Building & Offices MPR Building	Hardwall/Ceiling plaster	No asbestos detected
HMS - B17003 - 01A	North wall on Stage MPR Building	Plaster – sanded texture	No asbestos detected

If any suspect materials other than those sampled are discovered or must be disturbed, it must be assumed that the materials are asbestos-containing, and the project should then be halted and reevaluated.

If you have any questions regarding this report, please contact our Bakersfield office at (661) 636-0351.

Sincerely,

Kristy Yowell, CAC No. 09-4500
Branch Manager



Bulk Asbestos Analysis

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

Hazard Mgmt. Services
Kristy Yowell
Fresno Location
371 E. Bullard Ave., Ste. 109
Fresno, CA 93710

Client ID: 1636
Report Number: B233464
Date Received: 01/16/17
Date Analyzed: 01/16/17
Date Printed: 01/16/17
First Reported: 01/16/17

Job ID/Site: B17004 - Bakersfield City SD, Roosevelt ES-MPR Building

FALI Job ID: 1636

Date(s) Collected: 01/13/2017

Total Samples Submitted: 1

Total Samples Analyzed: 1

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
HMS-B17003-01A	11847982						
Layer: Off-White Plaster			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							

Tad Thrower

Tad Thrower, Laboratory Supervisor, Hayward Laboratory

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

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