

### Homogeneous Materials Record

School Dist: Chico USD  
 Date Inspected: 04/14/92

School: MARIGOLD

BUILDING: UNIT 1

Material	Homog. Mat. #	Locations	% Asb	Footage	Friable? Y or N
ACT	7	RR	00-00	230 S	N
9" VFTs	8	ALL CLSRMS	01-05	5728 S	N
ACT	9	CLASSROOMS	00-00	5700 S	N
PW STR	10	BLR RM	60-65	150 S	N
PW CNR	11	BOILER ROOM	00-00	25 L	N
WINDOW PUTTY	12	CLASSROOMS	00-01 TRACE	303 S	N
PLASTER	75	BLR RM/ RR/ BREAK RM	00-00	1000 S	N
TRANS PANELS	99	MAIN BLR RM AT BLRS	99-99 ASSUMED	50 S	N

Inspected By: MIKE SHARP

These Reports should be placed in your AHERA file. Do not throw away old HMRs.

### Homogeneous Materials Record

School Dist: Chico USD  
Date Inspected: 04/14/92

School: MARIGOLD

BUILDING: UNIT 3

Material	Homog. Mat. #	Locations	% Asb	Footage	Friable? Y or N
FCP	1	ALL ROOMS	00-00	2865 S	N
9" VFTs	2	ALL CLSRMS	01-05	2865 S	N
MUD JNTS	3	RM 17	00-00	27 L	N
TRANS PANELS	99	ABOVE GLAS PANELS	99-99 ASSUMED	300 S	N

Inspected By: MIKE SHARP

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### Homogeneous Materials Record

School Dist: Chico USD

School: MARIGOLD

Date Inspected: 04/14/92

BUILDING: UNIT 4

Material	Homog. Mat. #	Locations	% Asb	Footage	Y or N	Friable?
FCP	1	LIB/STAFF/CLASSROOMS	00-00	4500 S		N
9" VFTs	2	ALL RMS	01-05	4500 S		N
MUD JNTS	3	ALL ROOMS	00-00	37 L		N
TRANS PANELS	99	ABOVE WINDOWS	99-99 ASSUMED	300 S		N

Inspected By: MIKE SHARP

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### Homogeneous Materials Record

School Dist: Chico USD  
Date Inspected: 04/14/92

School: MARIGOLD

BUILDING: UNIT 5

Material	Homog. Mat. #	Locations	% Asb	Footage	Friable? Y or N
FCP	1	AV STRG/ADMIN OFFICE	00-00	663 S	N
9" VFTs	2	AV STORAGE\FACULTYRR	01-05	250 S	N
9" VFTs	2	KITCHEN	01-05	500 S	N
9" VFTs	2	MPR	01-05	2410 S	N
MUD JNTS	3	KIT & OFFICE ATTICS	00-00	40 L	N
MUD JNT	4	OUTSIDE BOILER ROOM	00-00	10 S	N
OVEN GASKET	5	KITCHEN	00-00	3 S	N
CLOD BOX CLNG	6	COLD BOX	30-35	20 S	N
ACT	7	MPR	00-00	2660 S	N
PLASTER	75	KIT AND RR	99-99 ASSUMED	1000 S	N

Inspected By: MIKE SHARP

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### Homogeneous Materials Record

School Dist: Chico USD

School: MARIGOLD

Date Inspected: 04/14/92

BUILDING: PORTABLES

Material	Homog. Mat. #	Locations	% Asb	Footage	Y or N	Friable?
DRYWALL	81	BEHIND TAG BOARD	99-99 ASSUMED	10000 S		N

Inspected By: MIKE SHARP

These Reports should be placed in your AHERA file. Do not throw away old HMRs.

Hazard Management Services, Inc. Bulk Sample Analysis Request Form

**AHERA THREE YEAR REINSPECTION SAMPLES**

Please Send Results To: P.O. Box 576848 Modesto, CA 95357-6848

Samples Collected by: Michael Sharp on 04/14/92

Client: Chico Unified S.D. Site: Marigold

Turn Around Time: Extended, Results Needed By April 30th, if possible.

Sample Number	Material	Location
HMS-CUSD-MRGD-75A Result:	Plaster	Boiler Room
HMS-CUSD-MRGD-75B Result:	Plaster	Boiler Room
HMS-CUSD-MRGD-75C Result:	Plaster	Boiler Room



**Bulk Material Analysis**

Client:  
Hazard Management Services, Inc.  
Modesto Location  
P.O. Box 576848  
Modesto, CA 95357-6848

Client Number: 1146  
Report Number: 177332  
Date Received: 04/21/92

Lab Number: 19220539  
Sample Number: HMS-CUSD-MRGD-75A  
P.O. Num:  
Job ID: Chico Unified School District  
Site: Marigold

Date Collected: 04/14/92

Location: Boiler room, plaster.

Gross Description: White plaster with paint.

Comments:

Microscopic Description

TOTAL ASBESTOS PRESENT:		Non-Det. %	Non-Det. %
Chrysotile		Non-Det. %	
Amosite		Non-Det. %	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:		Trace %	Trace %
Cellulose		Trace %	
Fibrous Glass		Non-Det. %	
TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT:		99-99 %	99-99 %

*Janis Friedman*

Janis Friedman, Director of Laboratory Services, Federal Bureau of Investigation

Analytical Report # 1027-010, Robert E. Higgins, EPHM

See Reverse for Explanation of Terms and Reporting Practices



Bulk Material Analysis

Client:  
Hazard Management Services, Inc.  
Modesto Location  
P.O. Box 576848  
Modesto, CA 95357-6848

Client Number: 1146  
Report Number: 177332  
Date Received: 04/21/92

Lab Number: 19220540  
Sample Number: HMS-CUSD-MRGD-75B  
P.O. Num:  
Job ID: Chico Unified School District  
Site: Marigold

Date Collected: 04/14/92

Location: Boiler room, plaster.

Gross Description: White plaster with paint.

Comments:

Microscopic Description

TOTAL ASBESTOS PRESENT:		Non-Det. %
Chrysotile	Non-Det. %	
Amosite	Non-Det. %	
	%	
	%	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:		Trace %
Cellulose	Trace %	
Fibrous Glass	Non-Det. %	
	%	
	%	
TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT:		98-99 %

*Janis Teichman*

Janis Teichman, Director of Laboratory Services, Hayward Laboratory

Analytical methods 40 CFR 763, Subpart E, Appendix E (ASBESTOS)

See Reverse for Explanation of Terms and Reporting Practices





**Bulk Material Analysis**

Client:  
Hazard Management Services, Inc.  
Modesto Location  
P.O. Box 576848  
Modesto, CA 95357-6848

Client Number: 1146  
Report Number: 177332  
Date Received: 04/21/92

Lab Number: 19220541  
Sample Number: HMS-CUSD-MRGD-75C  
P.O. Num:  
Job ID: Chico Unified School District  
Site: Marigold

Date Collected: 04/14/92

Location: Boiler room, plaster.

Gross Description: White plaster with paint.

Comments:

Microscopic Description

TOTAL ASBESTOS PRESENT:		Non-Det. %
Chrysotile	Non-Det. %	
Amosite	Non-Det. %	
	%	
	%	
	%	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:		Trace %
Cellulose	Trace %	
Fibrous Glass	Non-Det. %	
	%	
	%	
	%	
TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT:		98-99 %

*Janis Reichman*

Janis Reichman, Director of Laboratory Services, Hayward Laboratory

Analytical Method: 49 CFR 763, Subpart F, Appendix B (MPEP)

See Reverse for Explanation of Terms and Reporting Practices

## GENERAL INFORMATION

### DRYWALL

We have collected drywall samples in your district and for numerous other clients. The vast majority of these samples do not contain asbestos in the drywall, the tape, the joint compound or the texturizing or finish coat. When we do find asbestos it is usually in the texturizing coat. It usually is at a 1 to 5% concentration, but since it's in the surface coat it is subject to abuse (contact, sanding, etc.) and it can release fibers. Where we have identified drywall materials to contain asbestos we have included the proper information in our inspection reports and management plans. It is where we do not find asbestos that a potential problem exists.

Hazard Management Services, Inc. (HMS, Inc.) and many other consultants do not believe there is an accurate sampling protocol for determining asbestos in drywall materials. For example, we have sampled one piece of finished drywall where the results were "0%", "trace" in the skim coat and "1-5%" in the skim coat. We have also sampled all the walls in a room and found one sample on one wall positive and all the rest negative (five samples). We have also taken 12 samples on both sides of one hallway (120 feet long) and had two samples contain "5-10%" in the skim coat, one sample contain "trace" amounts in the joint compound and the other nine to contain no asbestos. In other words, sampling drywall according to AHERA methods is not necessarily an accurate assessment of what is present. At least, we are not confident of our results.

The reasons for these discrepancies in findings include renovation activities, patches, inconsistent mixing practices by the original installers, etc. Often times, painting, wallpapering or other wall treatments make it impossible to determine if materials are homogeneous. This is particularly true in office areas where the geometry of the walls changes frequently and these changes are obscured by painting, etc.

So what does this all mean and what should you do about it? HMS, Inc. recommends the following procedures be followed in areas where drywall has been analyzed and no asbestos has been detected.

#### Small Projects

If you are only going to attach nails or tacks, drill a small hole or cut a small opening and if these projects involve only a very small amount of drywall, no special precautions are necessary, but you may want to dampen the affected area with water to reduce dust levels. If the area involves several inches of drywall a more effective way to reduce dust is to apply a viscous lubricant such as grease, vaseline or K-Y jelly to the affected area.

#### Large Projects

If you are going to be cutting into full sheets of drywall or removing substantial amounts of drywall, HMS, Inc. recommends that you take several samples of the affected materials and have them analyzed. These samples can safely be collected by your own staff. Please call HMS, Inc. for advice on the proper method of collection and how the samples should be packaged for mailing to a laboratory.

United States Department of Commerce  
National Institute of Standards and Technology

# NVLAP

Certificate of Accreditation

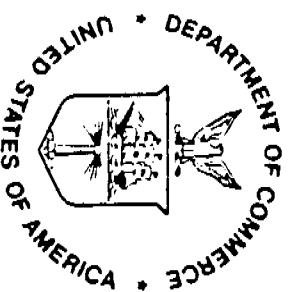
**FORENSIC ANALYTICAL SPECIALTIES, INC.**  
HAYWARD, CA

*is recognized under the National Voluntary Laboratory Accreditation Program  
for satisfactory compliance with criteria established in Title 15, Part 7 Code of Federal Regulations.  
Accreditation is awarded for specific services, listed on the Scope of Accreditation, for:*

**BULK ASBESTOS FIBER ANALYSIS**

**July 1, 1993**

Effective until



*Allen R. Johnson*  
For the National Institute of Standards and Technology







HOMOGENEOUS MATERIAL RECORDS

DISTRICT Chicago

SCHOOL Waringold

ADDRESS \_\_\_\_\_

BLDG.	MAT. CLASS.	MATERIAL	HOMOG. MAT.#	SAMPLE NUMBER	LOCATION	% ASBESTOS	FOOTAGE FT <sup>2</sup> OF LF	FRIABLE YES
5	wisc	FCP	01	01	AU Storage	< 1	133 ft <sup>2</sup>	X
					Admin office		550 ft <sup>2</sup>	X
5	wisc	WIRE/BROOK GIVERT	02	02	Kitchen	1-5	500 ft <sup>2</sup>	X
					MPR		2410 ft <sup>2</sup>	X
					AU Storage / Faculty BR		250 ft <sup>2</sup>	X
5	TSB	wire JUT	03	03	Kitchen	< 1	26 JUTS	X
					Admin offices		14 JUTS	X
5	TSB	wire JUT	04	04	Outside	< 1	10 JUTS	X
					TRR Run			
5	TSB	Shower Area Gasket	05	05	Kitchen	< 1	3 ft <sup>2</sup>	X
5	surf	Cold Box Caulking	06	06	Cold Box	30-35	20 ft <sup>2</sup>	X
5	wisc	ACT	07	07	MPR	< 1	2660 ft <sup>2</sup>	X





**HMS, INC.**  
**HAZARD MANAGEMENT SERVICES, INC.**

CHICO UNIFIED SCHOOL DISTRICT  
MARIGOLD ELEMENTARY SCHOOL  
AHERA THREE-YEAR REINSPECTION SUMMARY  
APRIL, 1992

Attached you will find a computer print-out of your original "Homogeneous Materials Record Sheets". You will find these sheets easier to read than the original copies. If additional samples were collected at this site, the results are listed at the end of the new "homogeneous" sheets. A comment on drywall sampling and lab accreditation sheets are added as appropriate.

At this site all previously or currently identified asbestos-containing materials were in good condition, i.e., non-friable.

We have given you a new index to insert into your management plan to account for new sections VIII and IX. We have added section VIII in which you should include results of your six-month inspections. We have also included a sheet on drywall sampling with recommendations on handling drywall. We also want to remind you that new buildings or portables must either be inspected or exempted by letter by your architect or builder.

**AHERA THREE YEAR REINSPECTION**

School Dist: **Chico USD**  
 Date Inspected: **04/14/92**

School: **MARIGOLD**

**BUILDING: UNIT 4**

<b>Material</b>	<b>Homog. Mat. #</b>	<b>Locations</b>	<b>% Asb</b>	<b>Footage</b>	<b>Codes</b>
9" VFTs	2	ALL RMS	01-05	4500 S	1-4
<b>3 Year Inspection Notes:</b>					
Condition of Material: GOOD					
Change in Condition? NO Abated? NO					
Comments:					
<hr/>					
TRANS PANELS	99	ABOVE WINDOWS	01-99 (ASSUMED)	300 S	1-4
<b>3 Year Inspection Notes:</b>					
Condition of Material: GOOD					
Change in Condition? NO Abated? NO					
Comments:					

**Codes:**

General Condition: (1) Good (2) Damaged (3) Sig. Damaged  
 Change in Condition: (N or 4) No (Y) Yes (Please explain)  
 Abated: (R) Repaired (M) Removed (E) Enclsd  
 (I) Isolated and Restricted

**Inspected By: MIKE SHARP**

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**AHERA THREE YEAR REINSPECTION**

School Dist: **Chico USD**  
 Date Inspected: **04/14/92**

School: **MARIGOLD**

**BUILDING: UNIT 5**

<b>Material</b>	<b>Homog. Mat. #</b>	<b>Locations</b>	<b>% Asb</b>	<b>Footage</b>	<b>Codes</b>
9" VFTs	2	AV STORAGE\FACULTYRR	01-05	250 S	1-4
<b>3 Year Inspection Notes:</b>					
Condition of Material: GOOD					
Change in Condition? NO Abated? NO					
Comments:					
9" VFTs	2	KITCHEN	01-05	500 S	1-4
<b>3 Year Inspection Notes:</b>					
Condition of Material: GOOD					
Change in Condition? NO Abated? NO					
Comments:					
9" VFTs	2	MPR	01-05	2410 S	1-4
<b>3 Year Inspection Notes:</b>					
Condition of Material: GOOD					
Change in Condition? NO Abated? NO					
Comments:					
COLD BOX CLNG	6	COLD BOX	30-35	20 S	1-4
<b>3 Year Inspection Notes:</b>					
Condition of Material: GOOD					
Change in Condition? NO Abated? NO					
Comments:					
PLASTER	75	KIT AND RR	01-99 (ASSUMED)	1000 S	1-4
<b>3 Year Inspection Notes:</b>					
Condition of Material: GOOD					
Change in Condition? NO Abated? NO					
Comments:					

**Codes:**

**General Condition:** (1) Good (2) Damaged (3) Sig. Damaged  
**Change in Condition:** (N or 4) No (Y) Yes (Please explain)  
**Abated:** (R) Repaired (M) Removed (E) Enclsd  
 (I) Isolated and Restricted

**Inspected By: MIKE SHARP**

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**AHERA THREE YEAR REINSPECTION**

School Dist: **Chico USD**  
 Date Inspected: **04/14/92**

School: **MARIGOLD**

BUILDING: **UNIT 3**

<b>Material</b>	<b>Homog. Mat. #</b>	<b>Locations</b>	<b>% Asb</b>	<b>Footage</b>	<b>Codes</b>
9" VFTs	2	ALL CLSRMS	01-05	2865 S	1-4
<b>3 Year Inspection Notes:</b>					
Condition of Material: GOOD					
Change in Condition? NO Abated? NO					
Comments:					
TRANS PANELS	99	ABOVE GLAS PANELS	01-99 (ASSUMED)	300 S	1-4
<b>3 Year Inspection Notes:</b>					
Condition of Material: GOOD					
Change in Condition? NO Abated? NO					
Comments:					

**Codes:**

**General Condition:** (1) Good (2) Damaged (3) Sig. Damaged  
**Change in Condition:** (N or 4) No (Y) Yes (Please explain)  
**Abated:** (R) Repaired (M) Removed (E) Enclsd  
 (I) Isolated and Restricted

**Inspected By: MIKE SHARP**

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**AHERA THREE YEAR REINSPECTION**

School Dist: **Chico USD**  
 Date Inspected: **04/14/92**

School: **MARIGOLD**

**BUILDING: UNIT 1**

<b>Material</b>	<b>Homog. Mat. #</b>	<b>Locations</b>	<b>% Asb</b>	<b>Footage</b>	<b>Codes</b>
9" VFTs	8	ALL CLSRMS	01-05	5728 S	1-4
<b>3 Year Inspection Notes:</b> Condition of Material: GOOD Change in Condition? NO Abated? NO Comments:					
PW STR	10	BLR RM	60-65	150 S	1-4
<b>3 Year Inspection Notes:</b> Condition of Material: GOOD Change in Condition? NO Abated? NO Comments:					
TRANS PANELS	99	MAIN BLR RM AT BLRS	01-99 (ASSUMED)	50 S	0-5
<b>3 Year Inspection Notes:</b> Condition of Material: MATERIAL NOT FOUND Change in Condition? YES Abated? NO Comments: Not found, may have been abated.					

**Codes:**

**General Condition:** (1) Good (2) Damaged (3) Sig. Damaged  
**Change in Condition:** (N or 4) No (Y) Yes (Please explain)  
**Abated:** (R) Repaired (M) Removed (E) Enclsd  
 (I) Isolated and Restricted

**Inspected By: MIKE SHARP**

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**AHERA THREE YEAR REINSPECTION**

School Dist: Chico USD  
 Date Inspected: 04/14/92

School: MARIGOLD

BUILDING: PORTABLES

Material	Homog. Mat. #	Locations	% Asb	Footage	Codes
12" VFTS	80	12 PORTABLES	01-99 (ASSUMED)	2400 S	1-4
3 Year Inspection Notes: Condition of Material: GOOD Change in Condition? NO Abated? NO Comments:					

DRYWALL	81	BEHIND TAG BOARD	01-99 (ASSUMED)	10000 S	1-4
3 Year Inspection Notes: Condition of Material: GOOD Change in Condition? NO Abated? NO Comments:					

**Codes:**

General Condition: (1) Good (2) Damaged (3) Sig. Damaged  
 Change in Condition: (N or 4) No (Y) Yes (Please explain)  
 Abated: (R) Repaired (M) Removed (E) Enclsd  
 (I) Isolated and Restricted

Inspected By: MIKE SHARP

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UNIVERSITY OF CALIFORNIA  
BERKELEY  
UNIVERSITY EXTENSION

This is to certify that

MICHAEL C. SHARP

has attended the

AHERA Refresher Course for Asbestos Inspectors and  
Management Planners  
November 26, 1991

Certificate number:

1428

Valid until: November 26, 1992



*Deloral DA.*  
Chair  
Programs in Environmental Hazard  
Management

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UNIVERSITY OF CALIFORNIA  
BERKELEY  
UNIVERSITY EXTENSION

This is to certify that

MICHAEL C. SHARP

has attended the

AHERA Refresher Course for Asbestos Abatement Project Designers  
October 22, 1991

Certificate number:

Valid until: October 22, 1992



*Deloral DA.*  
Chair  
Programs in Environmental Hazard  
Management

SIX-MONTH SURVEILLANCE

DISTRICT Chico Unified School District DATE December 28, 1992

SCHOOL Marigold Elementary INSPECTOR Michael Fender

HOMOG. ASBESTOS MATERIAL LOCATION CONDITION: CODE & COMMENTS

BLDG.	MAT.#	MATERIAL	LOCATION	CONDITION: CODE & COMMENTS
1	Tran panl	Assumed	Both boilers in Main B/R	1-4
1	9" VFT	1-5%	Room 12 & rest of wing	1-4
1	PW Str	60-65%	B/R Room	1-4
3	9" VFT	1-5%	Room 17 & rest of unit	1-4
3	Tran panl	Assumed	Above glass panels	1-4
4	9" VFT	1-5%	Lib/staff & classrooms	1-5 Carpeted
5	9" VFT	1-5%	Kit, MPR, AV store	1-4
5	Cold box ceiling	30-35%	Cold Box	1-4

CONDITION CODES

GENERAL CONDITION: (1) GOOD (2) DAMAGED (3) SIGNIFICANTLY DAMAGED (25% OR MORE)  
 CHANGE IN CONDITION: (4) NO (5) YES (IF YES, EXPLAIN UNDER COMMENTS)  
 ABATED: (6) REPAIRED (7) REMOVED (8) ENCAPSULATED (9) ENCLOSED (10) ISOLATED & RESTRICTED  
 MISC: (11) INACCESSIBLE, NO SURVEILLANCE DATA (12) OTHER (EXPLAIN UNDER COMMENTS)