

ASBESTECH
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Hazard Management Services, Inc.
 P.O. Box 7548
 Citrus Heights, CA 95621-7548

JOB: C664
 Chico U.S.D.
 Dist Offc UT Bldg

ASBESTOS ANALYSIS REPORT

LAB JOB #19945-1
 DATE RECEIVED:
 10/11/95

DOHS# 1153
 NVLAP# 101442
 DATE REPORTED:
 10/11/95

SAMPLE#	COLOR/DESCRIPTION	% TYPE ASBESTOS	% TYPE OTHER
HMS-C664-			
01A	Homogeneous grey 2x2 FCP (ribbed) conference room	NONE DETECTED	60 Fibrous Glass 40 Cellulose
01B	Homogeneous grey 2x2 FCP (ribbed) conference room	NONE DETECTED	60 Fibrous Glass 40 Cellulose
01C	Homogeneous grey 2x2 FCP (ribbed) men's restroom	NONE DETECTED	60 Fibrous Glass 40 Cellulose
02A	Non-homogeneous white drywall & joint mud NE office refrig. alcove	NONE DETECTED	98 Gypsum Binder 2 Calcite
02B	Non-homogeneous white drywall & joint mud printer room @ light switch	NONE DETECTED	98 Gypsum Binder 2 Calcite
02C	Non-homogeneous white drywall & joint mud NW office NW corner	NONE DETECTED	95 Gypsum Binder 5 Cellulose
02D	Non-homogeneous white drywall & joint mud NW office NE corner	NONE DETECTED	98 Gypsum Binder 2 Calcite
02E	Non-homogeneous white drywall & joint mud conf. room SW corner	NONE DETECTED	98 Gypsum Binder 2 Calcite

THE ANALYSIS USES POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING FOLLOWING EPA METHOD #600M487020. NON-FRIABLE MATERIALS WERE ANALYZED APPLYING THE SAME METHOD. SAMPLES WERE NOT COLLECTED BY ASBESTECH. THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL WITH THE APPROVAL OF ASBESTECH. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT MUST NOT BE USED BY CLIENT TO CLAIM PRODUCT ENDORSEMENT BY N.V.L.A.P. OR ANY AGENCY OF THE U.S. GOVERNMENT. ASBESTECH ACCEPTS TECHNICAL RESPONSIBILITY FOR THIS TEST REPORT AND DATE OF ISSUE.

NVLAP

SIGNED J. K. Korman

111



Forensic Analytical
Analytical Report

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Bulk Material Analysis
Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Chico Unified School District
Mr. Ron Jones
2455 Carmichael Drive
Chico, CA 95928

Client ID: 2921
Report Number: 242439
Date Received: 09/11/95

P.O. Num:
Job ID:
Site: Chico Unified School District, District Office

Sample Number	Lab Number	Total Asbestos	Total Fibrous Non-Asbestos	(Breakdown by type)
DO-001 Off-white tile and black mastic. Asbestos in tile (1-5%). Composite reported.	19584186	1-5%	1-5%	Chrysotile (1-5%) Cellulose (1-5%)
DO-002 Off-white tile and black mastic. Asbestos in tile (1-5%). Composite reported.	19584187	1-5%	1-5%	Chrysotile (1-5%) Cellulose (1-5%)

Patrick E. Little
Patrick E. Little, Optical Laboratory Supervisor, Hayward Laboratory

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SIX-MONTH SURVEILLANCE

DISTRICT Chico Unified School District DATE September 5, 1995

SCHOOL District Office INSPECTOR Ron Jones

HOMOG. ASBESTOS MATERIAL LOCATION CONDITION: CODE & COMMENTS

BLDG.	MAT.#	HOMOG.	ASBESTOS MATERIAL	LOCATION	CONDITION: CODE & COMMENTS
1	9" VFT	1-5%		Computer Room Office	1-4
1	PW Str	80-85%		Basement Crawl Space	10
1	PW Jnt	10-15%		Basement Crawl Space	10
1	PW Debris	25-35%		Basement Crawl Space	10

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)

HMS, INC.
HAZARD MANAGEMENT SERVICES, INC.

CHICO UNIFIED SCHOOL DISTRICT

DISTRICT OFFICE

AHERA THREE-YEAR REINSPECTION SUMMARY

APRIL 12, 1995

At this site all non-friable materials including 9" VFT were inspected and were found to be in good condition. These materials will remain non-friable as long as they are not sanded, drilled, cut or otherwise abused so that a powder is produced. Removal of these materials will require an asbestos abatement contractor in most cases.

The following friable asbestos-containing materials were noted at this site. Friable materials are those that can release asbestos fibers with a minimum of contact or disturbance. Friable asbestos-containing materials can only be handled by an asbestos abatement contractor. Evaluation sheets and Form Cs are provided for these materials.

<u>Friable ACM</u>	<u>Location</u>
Pipewrap & Debris	Basement Crawl Space

See "Special Notes" section concerning drywall sampling and renovations/demonstrations. This page contains valuable information which must be considered before any alterations, modernization, renovations or demolitions occur.

Be sure to add this report to your management plan at the district and at the appropriate site.

INFORMATION SHEET

SPECIAL NOTE NO. 1 – DRYWALL/SHEETROCK

Drywall and its components continue to present problems both for our clients and for us. The inconsistency of sample results indicates that even the EPA\AHERA method for sampling drywall is inadequate. Although three to 15 or more drywall samples may have been collected at your school(s), the results may not be representative of what is present. Asbestos sometimes is found in the drywall itself, in its tape and/or joint compound or in the final texture coat applied to finish the appearance. It can be found in any combination in these materials. It can also be found in patching materials used to repair damaged drywall. Paint added to otherwise non-homogeneous materials can also produce inappropriate assumptions that all materials are the same.

To account for the variability in drywall construction we strongly advise that any substantial renovation project involving drywall be preceded by a comprehensive evaluation of the materials designated for handling.

SPECIAL NOTE NO. 2 – RENOVATIONS/DEMOLITIONS

Please be aware that many possible asbestos-containing materials were specifically exempted from inspection and identification by the AHERA sampling protocol. These exempted materials included roofing materials, most exterior plasters, exterior window putty, exterior transite panels and shingles, some exterior thermal system insulation and a few other materials. AHERA also exempted heat resistant countertops and transite blackboards and a few other materials found inside of buildings.

While these materials are exempted by AHERA, they are not exempted by Cal/OSHA or EPA's regulation in its "National Emission Standards for Hazardous Air Pollutants" (NESHAP). Therefore, any renovation activity involving these materials must be preceded by a sampling project to identify asbestos-containing materials which may be regulated by these agencies or the local Air Pollution Control District. You cannot rely on your AHERA reports to identify all of these additional materials.

HAZARD MANAGEMENT SERVICES, INC.

PHYSICAL AND HAZARD ASSESSMENT OF FRIABLE ACBM OR FRIABLE ASSUMED ACBM (SEC. 763.93)

FORM C

THREE-YEAR REINSPECTION

DISTRICT CHICO UNIFIED SCHOOL DISTRICT	CDS CODE
SCHOOL District Office	PHONE NUMBER (916)891-3096
ADDRESS Chico	
BUILDING NAME 1	INSPECTION DATE 04/11/95
FUNCTIONAL SPACE Basement Crawl Space	LINE NO. FROM FORM B NA
TYPE OF FRIABLE ACBM TSI Pipewrap and Debris	

1. **CONDITION OF ACBM (Overall Rating)** **SIGNIFICANTLY DAMAGED**
2. **POTENTIAL FOR DISTURBANCE (Overall Rating)** **High**
3. **HAZARD ASSESSMENT (Combine Ratings from Items 1 and 2 and Check Appropriate Box)**

CONDITION OF ACBM	POTENTIAL FOR DISTURBANCE		
	LOW	MODERATE	HIGH
GOOD	1	2	3
DAMAGED	4	5	6
SIGNIFICANTLY DAMAGED	7	7	7 XXX

4. RECOMMENDED RESPONSE ACTION (S) AND COST(S)

RESPONSE ACTION	ESTIMATED COSTS
A. OPERATION AND MAINTENANCE -----	\$ 0.00
B. REPAIR -----	\$ 0.00
C. ENCAPSULATION -----	\$ 0.00
YES D. ENCLOSURE -----	\$ 100.00
YES E. REMOVAL -----	\$ 10000.00
TOTAL COST	\$ 10100.00

5. NARRATIVE OF RECOMMENDED RESPONSE ACTIONS (Attach Additional Sheets if Necessary)

Area already sealed off.
Removal of this material from this location is the long term goal. While removal is not mandatory at this time, an abatement cost for removal is included for budget planning purposes.

Comments:

HAZARD MANAGEMENT SERVICES, INC.
Inspection Form I-1

Line on Form B TSI

District: CHICO UNIFIED SCHOOL DISTRICT

School: District Office

Date: 04/11/95

Building: 1

Inspectors: MCS/DRC

Location: Basement Crawl Space

Material: Pipewrap and Debris

Amount of Material: 375 Linear Feet

CONDITION: SIGNIFICANTLY DAMAGED

Extent of damage: DISTRIBUTED

Type of damage:

Air...Y Deterioration...Y Water...Y Physical...Y Flaking...Y

Feet of Damaged Material: 200 Linear Feet

POTENTIAL FOR DISTURBANCE:

Accessibility: Low
Vibration....: Low
Air Erosion...: Low
Water.....: Low
Occupancy....: Low

PREVENTATIVE MEASURES:

Fix Leaks:..... YES
Prevent h2O Contact:..... YES
Do not DCSG*:..... YES
Do not Affix Signs/Decos:
Avoid Contact:..... YES

REMEDIAL ACTIONS

Isolate/Restrict: YES
Repair Clean-up.:
Encapsulate.....
Remove..... YES
O&M.....

*Do not DCSG = Do not Drill, Cut, Sand or Grind

ACBM Condition - Assessment

Condition of Material SIGNIFICANTLY DAMAGED

Potential For Damage to Material High

Hazard Ranking

- XXX Hazard Rank 1 - Significantly Damaged
- Hazard Rank 2 - Damaged with High Potential for Significant Damage
- Hazard Rank 3 - Damaged with Moderate Potential for Significant Damage
- Hazard Rank 4 - Damaged with Low Potential for Significant Damage
- Hazard Rank 5 - No Damage with High Potential for Damage
- Hazard Rank 6 - No Damage with Moderate Potential for Damage
- Hazard Rank 7 - No Damage with Low Potential for Damage