

INSPECTION DOCUMENTS

LEA: CHICO UNIFIED SCHOOL DISTRICT

SCHOOL: CHAPMAN ELEMENTARY SCHOOL

DATE OF INSPECTION: MARCH 31, 1988

INSPECTOR: MICHAEL C. SHARP

ACCREDITATION: UC P.A.I.C. #191

Michael C. Sharp
*(name of inspector)

Inspection Form I-1

DISTRICT Chico Unified

Page of

SCHOOL Chapman Elementary

Date 3-31-88

Building Unit D

Inspector

Location room # 15 (Boiler)
(functional area)

HMS-CPM-72

Material: Surfacing TSI Misc. % Asbestos 50-55

Description PL Straight (Large pipe 10")

Amount of Material (NF / F) 50% (ft² / lf) Assumed ACM: Y / N # of samples 1

CONDITION: % damaged: Extent of damage:
0% <1% 1-10% 11-25% >25% none local distributed

Type damage: air; deterioration; water; physical; flaking

DESCRIPTION: No Damage

POTENTIAL FOR DISTURBANCE:

Accessibility: H M L
Vibration : H M L
Air Erosion : H M L
Water : H M L

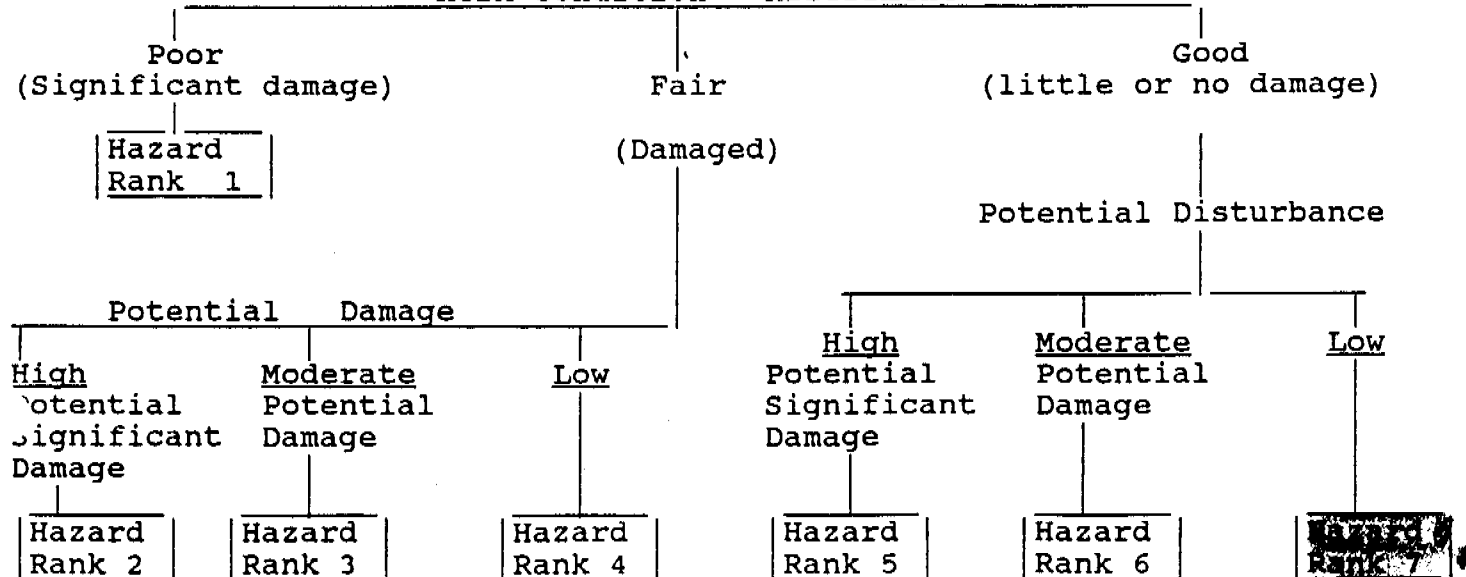
PREVENTATIVE MEASURES:

1. Fix Leaks
2. Prevent water contact
3. Do not DCSG
4. Do not affix signs/deco's
5. Avoid contact

COMMENTS:

REMEDIAL ACTIONS
isolate/restrict repair/cleanup
enclose encapsulate
remove O&M

ACBM Condition - Assessment



HAZARD MANAGEMENT SERVICES, INC.

Inspection Form I-1

DISTRICT Chico UnifiedPage of SCHOOL Chapman ElementaryDate 3-31-88Building Unit GInspector Location room # 3
(functional area)HMS-CPM-03Material: Surfacing TST Misc.
Description mudded joint% Asbestos 1-5Amount of Material (NF / F) 3 corners (ft²/lf) Assumed ACM: Y / N # of samples 1

CONDITION: % damaged: Extent of damage:

☒ 0% ☐ <1% ☐ 1-10% ☐ 11-25% ☐ >25%
 ☒ none ☐ local ☐ distributed

Type damage: air; deterioration; water; physical; flaking

DESCRIPTION: No damage

POTENTIAL FOR DISTURBANCE:

PREVENTATIVE MEASURES:

Accessibility: H M ☒ L
 Vibration : H M ☒ L
 Air Erosion : H M ☒ L
 Water : H M ☒ L

1. Fix Leaks
2. Prevent water contact
3. Do not DCSG
4. Do not affix signs/deco's
- ☒ 5. Avoid contact

COMMENTS:

REMEDIAL ACTIONS

isolate/restrict repair/cleanup

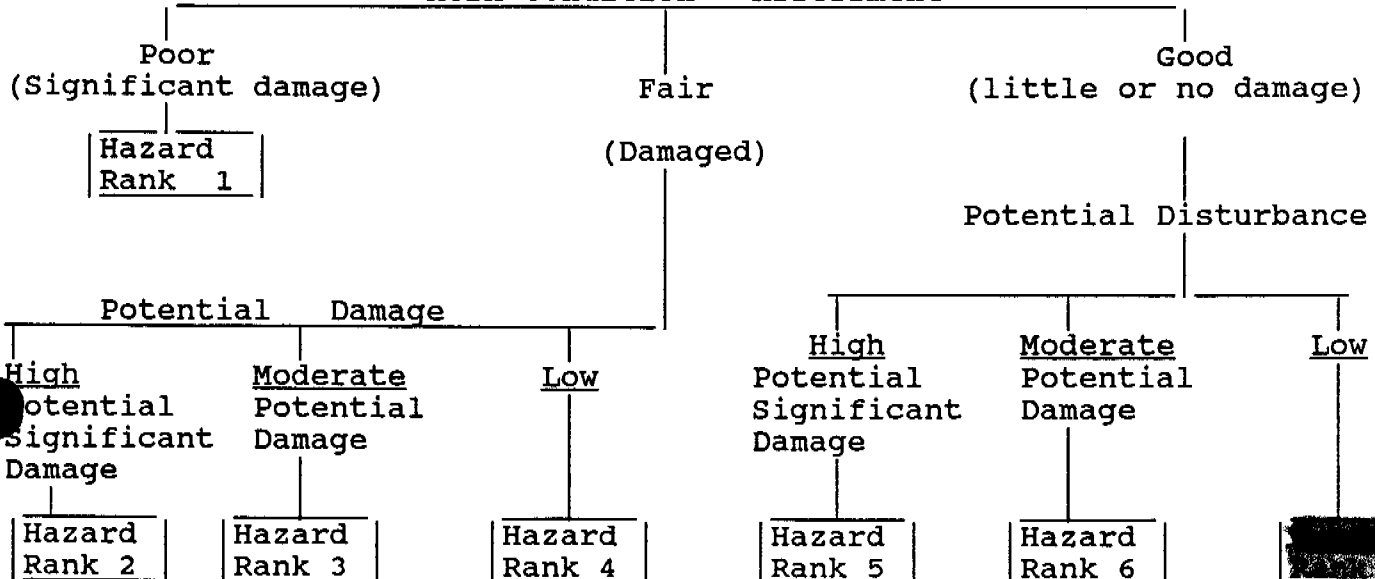
enclose

encapsulate

remove

☒ O&M

ACBM Condition - Assessment



Page 1 of 1

Date 3-31-88

Inspector

HMS-CPM-15

% Asbestos 1-5

Amount of Material (NF / F) 4 corner S (ft²/lf) Assumed ACM: Y / N samples

Extent of damage:

none local distributed

Type damage: air; deterioration; water; physical; flaking

DESCRIPTION: No damage

PREVENTATIVE MEASURES:

1. Fix Leaks
2. Prevent water contact
3. Do not DCSG
4. Do not affix signs/deco's
5. Avoid contact

COMMENTS: Vibration - pump or compressor causing vibration

REMEDIAL ACTIONS

isolate/restrict repair/cleanup

enclose

encapsulate

remove


```

graph TD
    Root[ ] --- Poor[Poor  
(Significant damage)]
    Root --- Fair[Fair  
(Damaged)]
    Root --- Good[Good  
(little or no damage)]
    
    Poor --- HazardRank1[Hazard Rank 1]
    
    Fair --- PotentialDamage[Potential Damage]
    PotentialDamage --- HighPotentialDamage[High Potential Significant Damage]
    PotentialDamage --- ModeratePotentialDamage[Moderate Potential Damage]
    PotentialDamage --- LowPotentialDamage[Low Potential Damage]
    
    HighPotentialDamage --- HazardRank2[Hazard Rank 2]
    ModeratePotentialDamage --- HazardRank3[Hazard Rank 3]
    LowPotentialDamage --- HazardRank4[Hazard Rank 4]
    
    Good --- PotentialDisturbance[Potential Disturbance]
    PotentialDisturbance --- HighPotentialSignificantDamage[High Potential Significant Damage]
    PotentialDisturbance --- ModeratePotentialDamage2[Moderate Potential Damage]
    PotentialDisturbance --- LowPotentialDamage3[Low Potential Damage]
    
    HighPotentialSignificantDamage --- HazardRank5[Hazard Rank 5]
    ModeratePotentialDamage2 --- HazardRank6[Hazard Rank 6]
    LowPotentialDamage3 --- HazardRank7[Hazard Rank 7]
    
    style Root fill:none,stroke:none
    style PotentialDamage fill:none,stroke:none
    style PotentialDisturbance fill:none,stroke:none

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Inspection Form I-1

DISTRICT Chico Unified

Page of

SCHOOL Chapman Elementary

Date 3-31-88

Building Unit A

Inspector

Location room # 3-MP room
(functional area)

HMS-CPM-13 A, B, C, D, E
~~F, G~~

Material: Surfacing TSI Misc. % Asbestos 1-5
Description acoustic ceiling plaster

Amount of Material (NF / F) 2300 8 (ft²/lf) Assumed ACM: Y / N # of samples 5

CONDITION: % damaged: Extent of damage:
0% <1% 1-10% 11-25% >25% none local distributed

Type damage: air; deterioration; water; physical; flaking

DESCRIPTION: No damage

POTENTIAL FOR DISTURBANCE:

PREVENTATIVE MEASURES:

Accessibility: H M (L)
Vibration: H M (L)
Air Erosion: H M (L)
Water: H M (L)

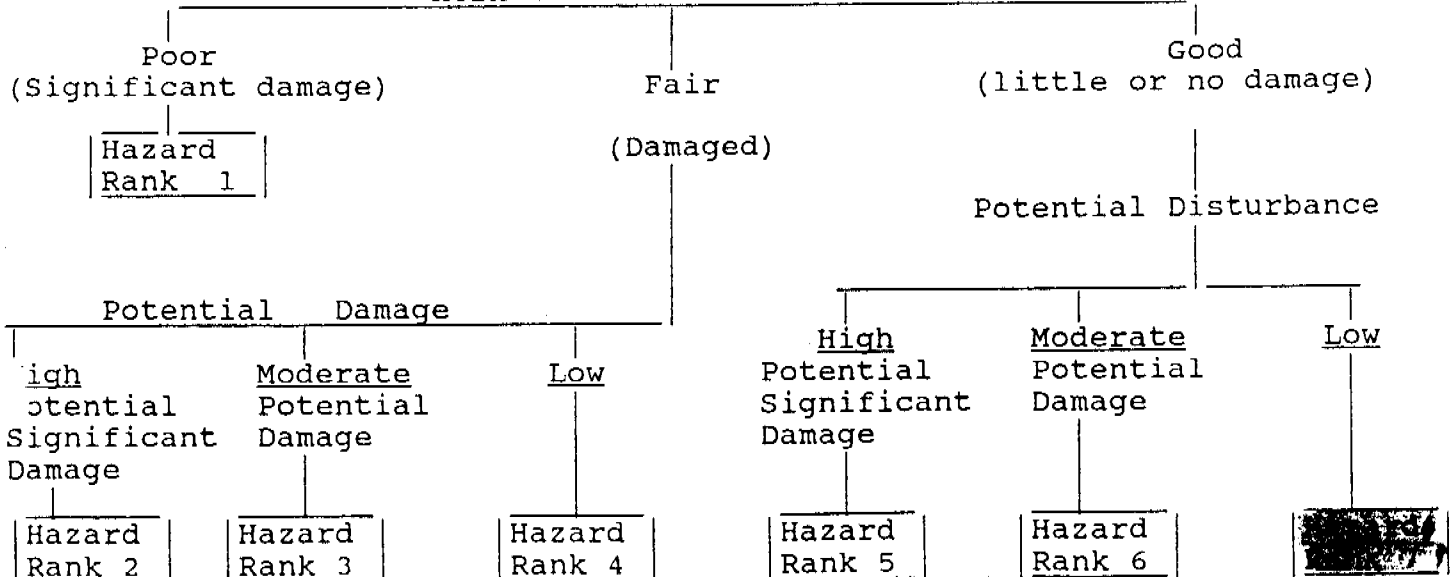
1. Fix Leaks
2. Prevent water contact
3. Do not DCSG
4. Do not affix signs/deco's
5. Avoid contact

COMMENTS:

REMEDIAL ACTIONS

isolate/restrict repair/cleanup
enclose encapsulate
remove O&M

ACBM Condition - Assessment



HAZARD MANAGEMENT SERVICES, INC.

Inspection Form I-1

DISTRICT Chico UnifiedPage of SCHOOL Chapman ElementaryDate 3-31-88Building Unit - AInspector Location Room # 3
(functional area)HMS CPM-12Material: Surfacing TSI Misc. % Asbestos 1-5
Description VFT-12" - Blue & backingAmount of Material (NF / F) 2800 (ft³/lf) Assumed ACM: Y / N # of samples 1

CONDITION: % damaged: Extent of damage:

0% <1% 1-10% 11-25% >25%none local distributed

Type damage: air; deterioration; water; physical; flaking

DESCRIPTION:

POTENTIAL FOR DISTURBANCE:

Accessibility: H M L
 Corrosion : H M L
 Air Erosion : H M L
 Water : H M L

PREVENTATIVE MEASURES:

1. Fix Leaks
2. Prevent water contact
3. Do not DCSG
4. Do not affix signs/deco's
5. Avoid contact

COMMENTS:

REMEDIAL ACTIONS

isolate/restrict repair/cleanup

enclose

encapsulate

remove

O&M

ACBM Condition - Assessment

Poor
(Significant damage)

Fair

Good
(little or no damage)Hazard
Rank 1

(Damaged)

Potential Disturbance

Potential Damage

High
Potential
Significant
DamageModerate
Potential
Damage

Low

High
Potential
Significant
DamageModerate
Potential
Damage

Low

Hazard
Rank 2Hazard
Rank 3Hazard
Rank 4Hazard
Rank 5Hazard
Rank 6

HAZARD MANAGEMENT SERVICES, INC.

Inspection Form I-1

DISTRICT Chico UnifiedPage of SCHOOL Chapman ElementaryDate 3-31-88Building Unit A -Inspector Location room # 5
(functional area)

HMS-CPM-10

Material: Surfacing TSI Misc % Asbestos 10-15
Description UFT - 9" - Brown & backingAmount of Material (NF / F) 740/10 (ft²/lf) Assumed ACM: Y / N # of samples 1

CONDITION: % damaged: Extent of damage:

0% <1% 1-10% 11-25% >25%none local distributedType damage: air; deterioration; water; physical; flakingDESCRIPTION: small chips but none friable

POTENTIAL FOR DISTURBANCE:

Accessibility: H M L
 Vibration : H M L
 Air Erosion : H M L
 Water : H M L

PREVENTATIVE MEASURES:

1. Fix Leaks
2. Prevent water contact
3. Do not DCSG
4. Do not affix signs/deco's
5. Avoid contact

COMMENTS: water - subject to
spills in kitchen area

REMEDIAL ACTIONS

isolate/restrict repair/cleanup

enclose

encapsulate

remove

O&M

ACBM Condition - Assessment

Poor
(Significant damage)

Fair

Good
(little or no damage)Hazard
Rank 1

(Damaged)

Potential Disturbance

Potential Damage

High
Potential
Significant
DamageModerate
Potential
Damage

Low

High
Potential
Significant
DamageModerate
Potential
Damage

Low

Hazard
Rank 2Hazard
Rank 3Hazard
Rank 4Hazard
Rank 5Hazard
Rank 6Hazard
Rank 7

DISTRICT Chico Unified

SCHOOL Chapman Elementary

Date 3-31-88

Building Unit B

Inspector

Location Room # 14
(functional area)

HMS-CPM-24

Material: Surfacing TSI Misc. % Asbestos 10-15

Description VFT 9"- Grey & Backing

Amount of Material (NF / F) 460 (ft²/lf) Assumed ACM: Y / N # of samples

<u>CONDITION:</u>	% damaged:	Extent of damage:
-------------------	------------	-------------------

0%	<1%	1-10%	11-25%	>25%	none	local	distributed
0	0	0	0	0	0	0	0

Type damage: air; deterioration; water; physical; flaking

DESCRIPTION:

POTENTIAL FOR DISTURBANCE:

Accessibility:	H	M	L
Vibration	H	M	L
Air Erosion	H	M	L
Water	H	M	L

PREVENTATIVE MEASURES:

1. Fix Leaks
2. Prevent water contact
3. Do not DCSG
4. Do not affix signs/deco's
5. Avoid contact

COMMENTS:

REMEDIAL ACTIONS

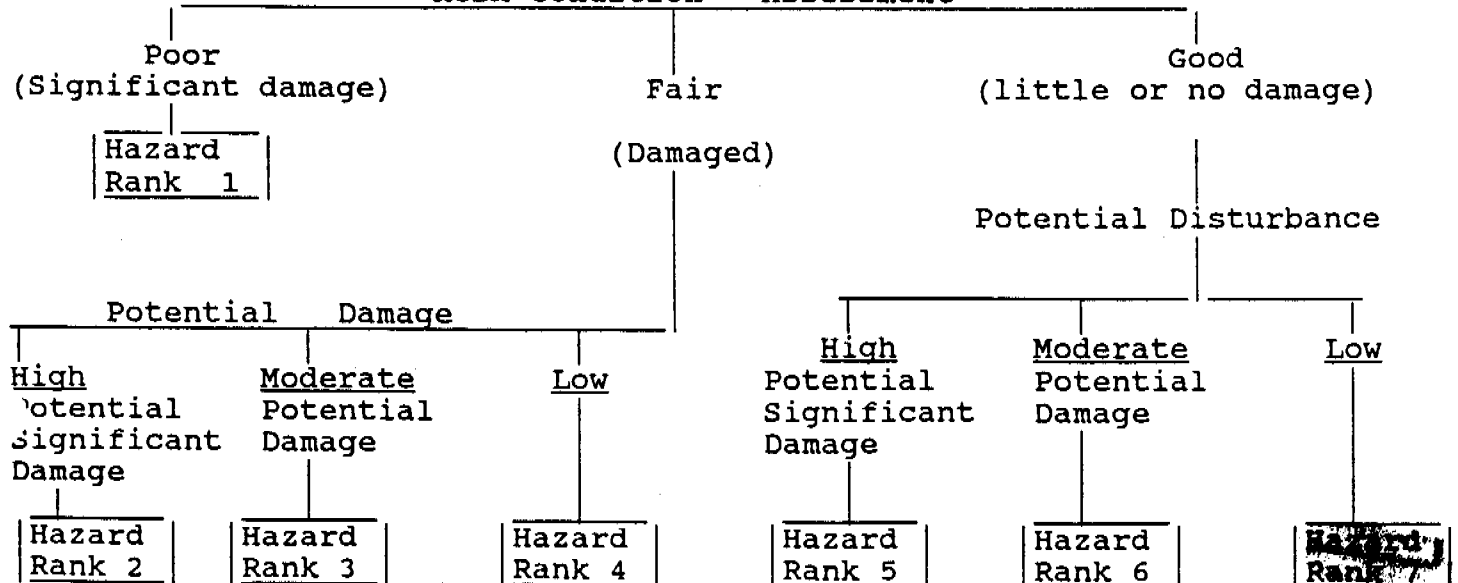
isolate/restrict repair/cleanup

enclose encapsulate

remove

O&M

ACBM Condition - Assessment



Inspection Form I-1

Page ___ of ___

DISTRICT Chico Unified

Date 3-31-88

SCHOOL Chapman Elementary

Inspector _____

Building Unit "D" & "C"

Location room #16 (Girls & Boys bathroom), 14 (Girls bathroom) NMS-CPM-14 A, B, C, D, E, F, G
(functional area)

Material: surfacing TSI Misc. % Asbestos 1-5
Description Hard Plaster Ceiling G-T
Amount of Material (NF / F) 2400 (ft²/lf) Assumed ACM: Y / N # of samples 5

CONDITION: % damaged: 0% <1% 1-10% 11-25% >25% none local distributed
Type damage: air; deterioration; water; physical; flaking

DESCRIPTION: Hole in Girls bathroom ceiling Unit D - room #16.
from physical or water damage. Hole is 6" x 6"
No friable edges

POTENTIAL FOR DISTURBANCE:

PREVENTATIVE MEASURES:

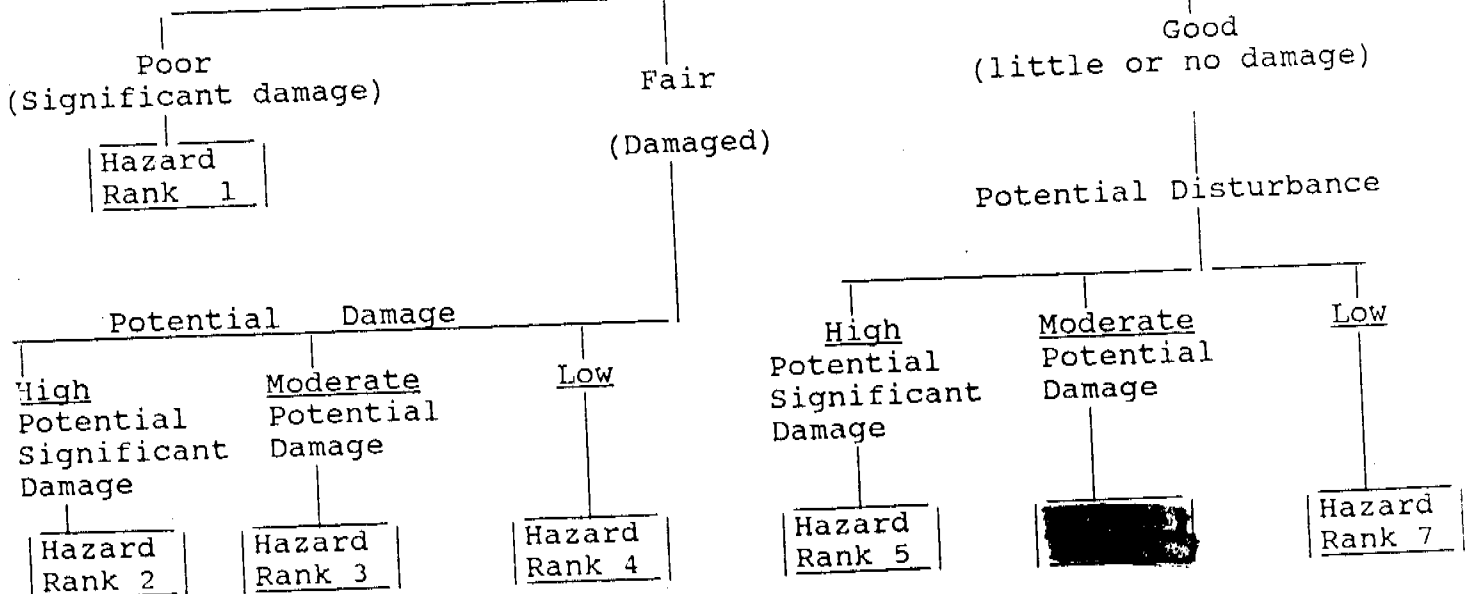
Accessibility: H M L
Abrasion: H M L
Air Erosion: H M L
Water: H M L

2. Prevent water contact
3. Do not DCSG
4. Do not affix signs/deco's
5. Avoid contact

COMMENTS: [REDACTED]
[REDACTED]
[REDACTED]

REMEDIAL ACTIONS
isolate/restrict repair/cleanup
enclose encapsulate
remove OSM

ACBM Condition - Assessment



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

STATE OF CALIFORNIA
DEPARTMENT OF GENERAL SERVICES
OFFICE OF LOCAL ASSISTANCE

OLA/EPA-C (NEW 6-88)

			CDS CODE 04 61424 6002968
SCHOOL CHAPMAN ELEMENTARY SCHOOL			SCHOOL PHONE NUMBER (916) 891-3100
ADDRESS (Number) 1071 EAST 16TH STREET	(Street)	(City) CHICO, CA	(Zip Code) 95928
BUILDING NAME UNIT A			INSPECTION DATE 3/31/88
FUNCTIONAL SPACE ROOM 7 WATER HEATER ROOM			INDICATE LINE NO. FROM FORM B 1
TYPE OF FRIABLE ACBM ☐ SURFACING ☒ TSI ☐ MISCELLANEOUS			

1. CONDITION OF ACBM (Overall Rating)

CHECK APPROPRIATE BOX

☐ GOOD
 ☐ DAMAGED (Fair)
 ☒ SIGNIFICANTLY DAMAGED (Poor)

2. POTENTIAL FOR DISTURBANCE (Overall Rating)

CHECK APPROPRIATE BOX

☐ LOW
 ☐ MODERATE (Potential for damage)
 ☒ HIGH (Potential for significant damage)

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 X

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

RESPONSE ACTION	ESTIMATED COSTS
☐ A. OPERATION AND MAINTENANCE _____	\$ _____
☐ B. REPAIR _____	\$ _____
☐ C. ENCAPSULATION _____	\$ _____
☐ D. ENCLOSURE _____	\$ _____
☒ E. REMOVAL _____	\$ 1,350.00
TOTAL	\$ 1,350.00

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

Describe process to be used for each response listed in item 4.

E. REMOVE DEBRIS AND 25 FEET OF AIRCELL PIPEWRAP ACCORDING TO OLA SPECS.	SCHEDULE	
	START	COMPLETE
	1989	1989

REMOVED 8/89

HAZARD MANAGEMENT SERVICES, INC.

Line 1

Inspection Form I-1

DISTRICT Chico UnifiedPage of SCHOOL Chapman ElementaryDate 3-31-88Building Unit AInspector Location room # 7
(functional area)

HMS-CPM-09abc

A-75-80

B 85-90

C 75-80

Material: Surfacing TSI Misc.
Description Debris% Asbestos C 75-80Amount of Material (NF / F) 0/5 (ft²/lf) Assumed ACM: Y / N # of samples 3CONDITION: % damaged: Extent of damage:
0% <1% 1-10% 11-25% >25% none local distributedType damage: air; deterioration; water; physical; flaking

DESCRIPTION:

POTENTIAL FOR DISTURBANCE:

Accessibility: H M L
Vibration : H M L
Air Erosion : H M L
Water : H M L

PREVENTATIVE MEASURES:

1. Fix Leaks
2. Prevent water contact
3. Do not DCSG
4. Do not affix signs/deco's

COMMENTS:

[Redacted]

REMEDIAL ACTIONS

isolate/restrict repair/cleanup

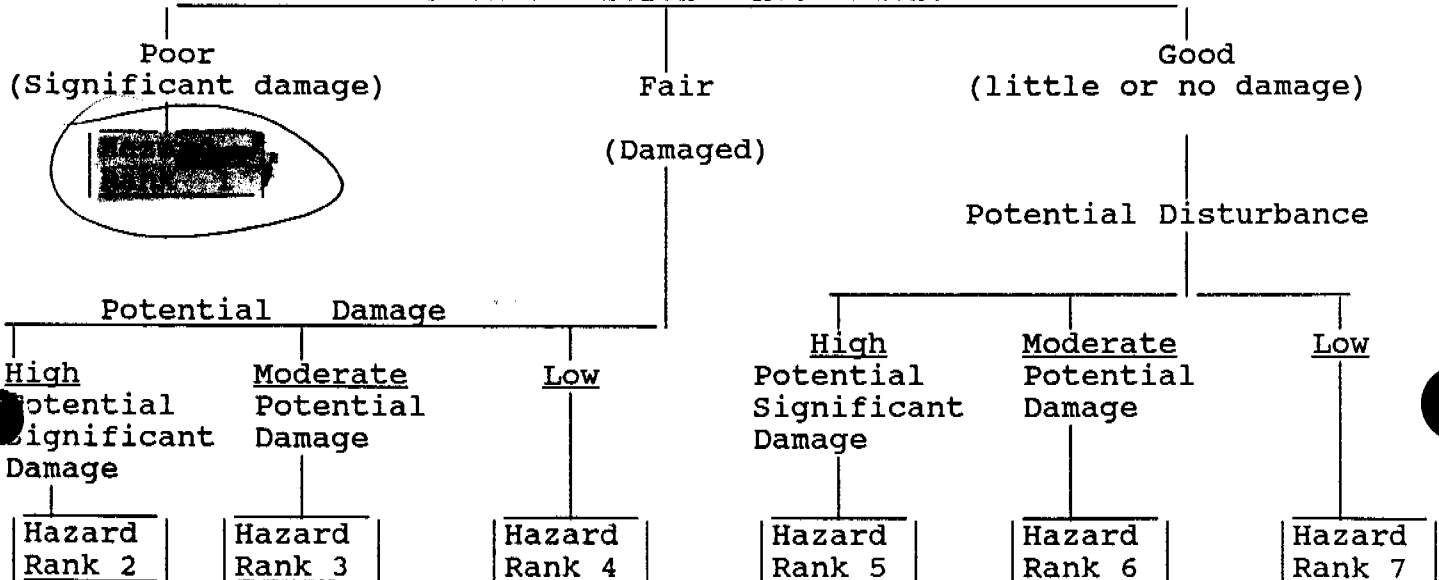
enclose

encapsulate

remove

O&M

ACBM Condition - Assessment



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

OLA/EPA-C (NEW 8-88)

STATE OF CALIFORNIA
DEPARTMENT OF GENERAL SERVICES
OFFICE OF LOCAL ASSISTANCE

SCHOOL CODE 04 61424 6002968		
SCHOOL PHONE NUMBER (916) 891-3100		
SCHOOL CHAPMAN ELEMENTARY SCHOOL		
ADDRESS (Number)	(Street)	(City) (Zip Code)
1071 EAST 16TH STREET		CHICO, CA 95928
BUILDING NAME UNIT D		INSPECTION DATE 3/31/88
FUNCTIONAL SPACE ROOM 15 BOILER ROOM		INDICATE LINE NO. FROM FORM B 10
TYPE OF FRIABLE ACBM		
☐ SURFACING	☒ TSI	☐ MISCELLANEOUS

1. CONDITION OF ACBM (Overall Rating)

CHECK APPROPRIATE BOX

☐ GOOD

☒ DAMAGED (Fair)

☐ SIGNIFICANTLY DAMAGED (Poor)

2. POTENTIAL FOR DISTURBANCE (Overall Rating)

CHECK APPROPRIATE BOX

☐ LOW

☒ MODERATE (Potential for damage)

☐ HIGH (Potential for significant damage)

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 X	6
SIGNIFICANTLY DAMAGED	7	7	7

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

RESPONSE ACTION	ESTIMATED COSTS
☐ A. OPERATION AND MAINTENANCE	\$
☒ B. REPAIR	\$ 300.00
☐ C. ENCAPSULATION	\$
☐ D. ENCLOSURE	\$
☒ E. REMOVAL	\$ 2,500.00
TOTAL	\$ 2,800.00

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

Describe process to be used for each response listed in item 4.	SCHEDULE	
	START	COMPLETE
REPAIR ALL THESE TSI MATERIALS WITH WETTABLE CLOTH (B)	1989	1989
E. REMOVE THESE TSI MATERIALS ACCORDING TO OLA SPECIFICATIONS	1989	1989

REMOVED 8/89

HAZARD MANAGEMENT SERVICES, INC.

Inspection Form I-1

Line 10

DISTRICT Chico UnifiedPage of SCHOOL Chapman ElementaryDate 3-31-88Building Unit DInspector Location room # 15 (Boiler)
(functional area)HMS-CPM- 23Material: Surfacing TSI Misc.
Description Backing board on boiler% Asbestos 85-90Amount of Material (NF / F) 9/1 (ft²/lf) Assumed ACM: Y / N # of samples 1CONDITION: % damaged: Extent of damage:
0% <1% 1-10% 11-25% >25% none local distributedType damage: air; deterioration; water; physical; flaking

DESCRIPTION:

POTENTIAL FOR DISTURBANCE:

PREVENTATIVE MEASURES:

Accessibility: H M L
Vibration : H M L
Air Erosion : H M L
Water : H M L

1. Fix Leaks
2. Prevent water contact
3. Do not DCSG
4. Do not affix signs/deco's
5. Avoid contact

COMMENTS: Edges frayed

REMEDIAL ACTIONS

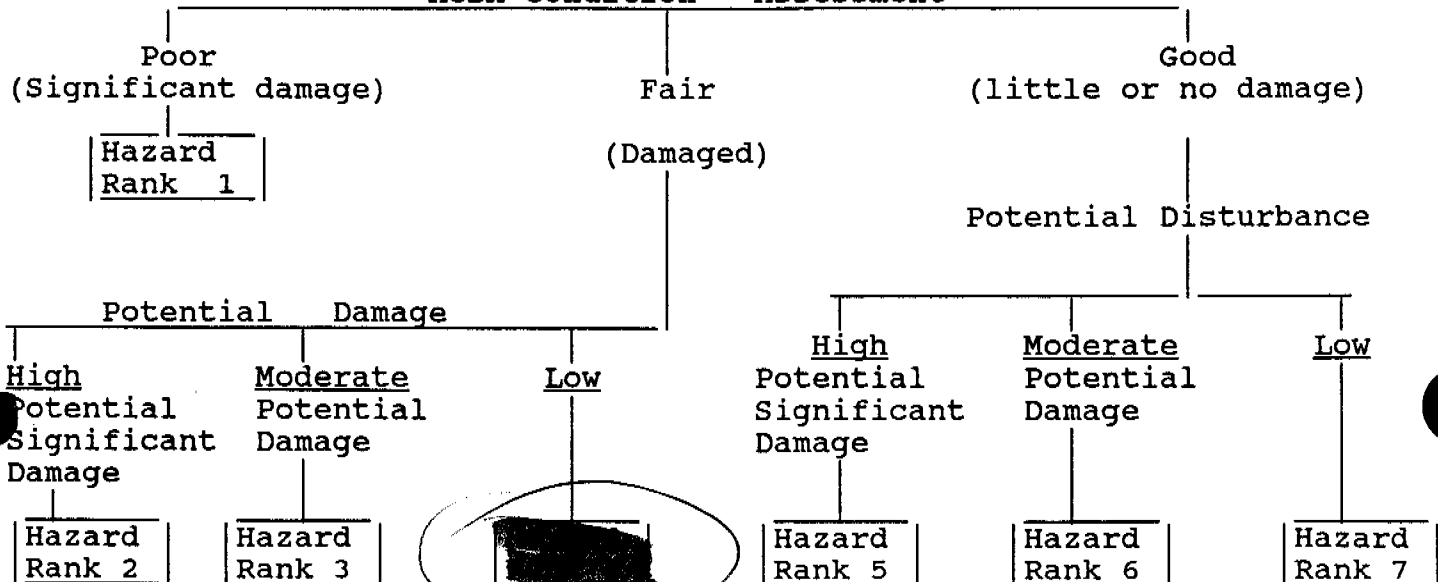
isolate/restrict repair/cleanup

enclose

encapsulate

removeO&M

ACBM Condition - Assessment



Inspection Form I-1

DISTRICT Chico UnifiedPage of SCHOOL Chapman ElementaryDate 3-31-88Building Unit DInspector Location room # 15 (Boiler)
(functional area)

HMS-CPM-20

Material: Surfacing TST Misc. Asbestos 75-80
Description Mudded joint (small 4")Amount of Material (NF / F) 10/1 (ft²/lf) Assumed ACM: Y / N # of samples 1
JointCONDITION: % damaged: Extent of damage: 0% <1% 1-10% 11-25% >25% none local distributedType damage: air; deterioration; water; physical; flaking

DESCRIPTION:

POTENTIAL FOR DISTURBANCE:

Accessibility: H M L
Vibration : H M L
Air Erosion : H M L
Water : H M L

PREVENTATIVE MEASURES:

1. Fix Leaks
2. Prevent water contact
3. Do not DCSG
4. Do not affix signs/deco's
5. Avoid contact

COMMENTS: Slight leak in pipe

REMEDIAL ACTIONS

isolate/restrict repair/cleanup

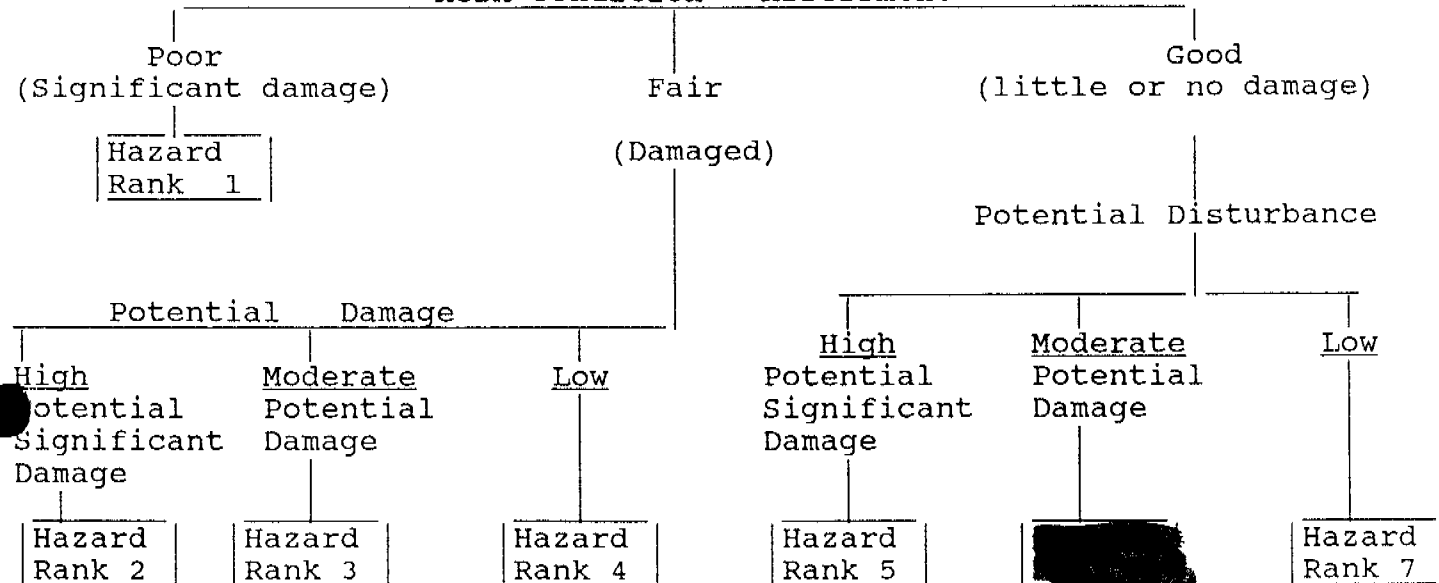
enclose

encapsulate

remove

O&M

ACBM Condition - Assessment



HAZARD MANAGEMENT SERVICES, INC.

line 10

Inspection Form I-1

DISTRICT Chico UnifiedPage of SCHOOL Chapman ElementaryDate 3-31-88Building Unit DInspector Location room # 15 (Boiler room)
(functional area)HMS-CPM-18 A, B, C
A-B 65-70Material: Surfacing (TSI) Misc. % Asbestos C 75-80
Description Mudded joint - Large pipe (10")Amount of Material (NF / F) 26/2 (ft²/lf) Assumed ACM: Y / N # of samples
Joints 1

CONDITION: % damaged: Extent of damage:

0% <1% 1-10% 11-25% >25%

none

local

DistributedType damage: air; deterioration; water; physical; flakingDESCRIPTION: 2 areas are damaged

POTENTIAL FOR DISTURBANCE:

Accessibility: H M L
Vibration : H M L
Air Erosion : H M L
Water : H M L

PREVENTATIVE MEASURES:

1. Fix Leaks
2. Prevent water contact
3. Do not DCSG
4. Do not affix signs/deco's
5. Avoid contact

COMMENTS:

REMEDIAL ACTIONS

isolate/restrict repair/cleanup

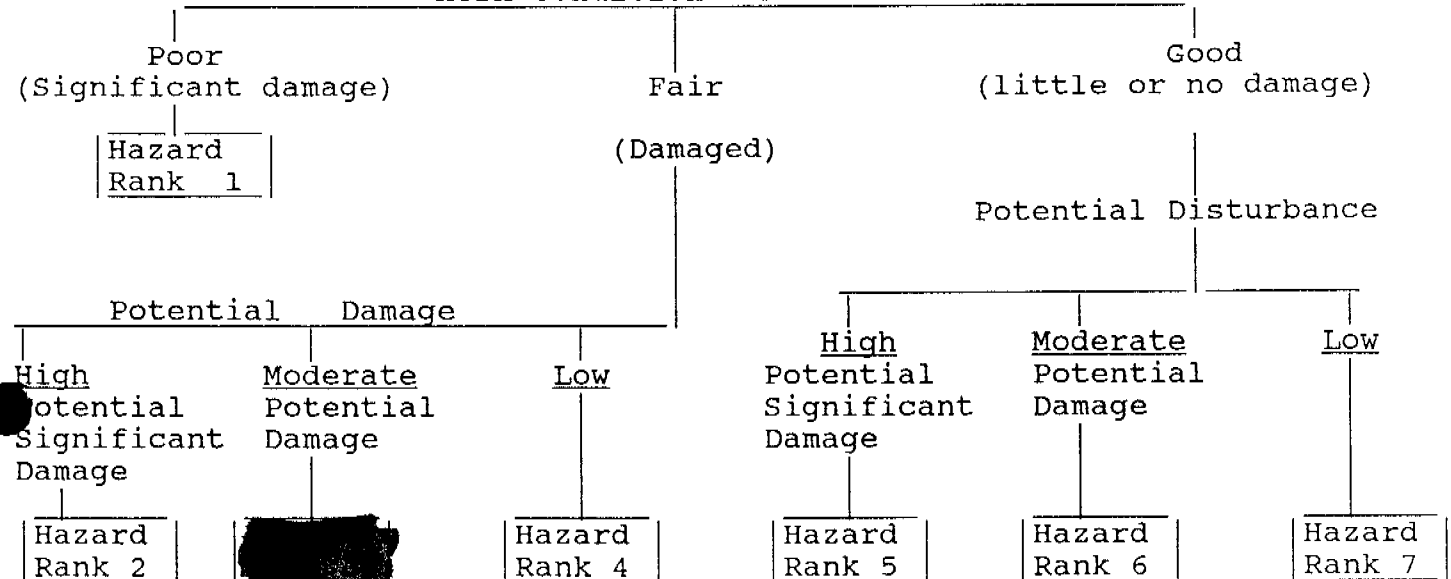
enclose

encapsulate

remove

O&M

ACBM Condition - Assessment



HAZARD MANAGEMENT SERVICES, INC.

Inspection Form I-1

DISTRICT Chico UnifiedPage Line 10 of SCHOOL Chapman ElementaryDate 3-31-88Building Unit DInspector Location room # 15 (Boiler)
(functional area)

HMS-CPM-21

Material: Surfacing TSI Misc. P.W. straight (small 4") % Asbestos 55-60Description Amount of Material (NF / F) 50/10 (ft²/lf) Assumed ACM: Y / N # of samples 1CONDITION: % damaged: 0% 1% 1-10% 11-25% >25% Extent of damage: none local distributed

Type damage: air; deterioration; water; physical; flaking

DESCRIPTION: Some small scrapes

POTENTIAL FOR DISTURBANCE:

Accessibility: H M L
Vibration : H M L
Air Erosion : H M L
Water : H M L

PREVENTATIVE MEASURES:

1. Fix Leaks
2. Prevent water contact
3. Do not DCSG
4. Do not affix signs/deco's
5. Avoid contact

COMMENTS: Ladders being stored in room, could hit pipes

REMEDIAL ACTIONS

isolate/restrict repair/cleanup

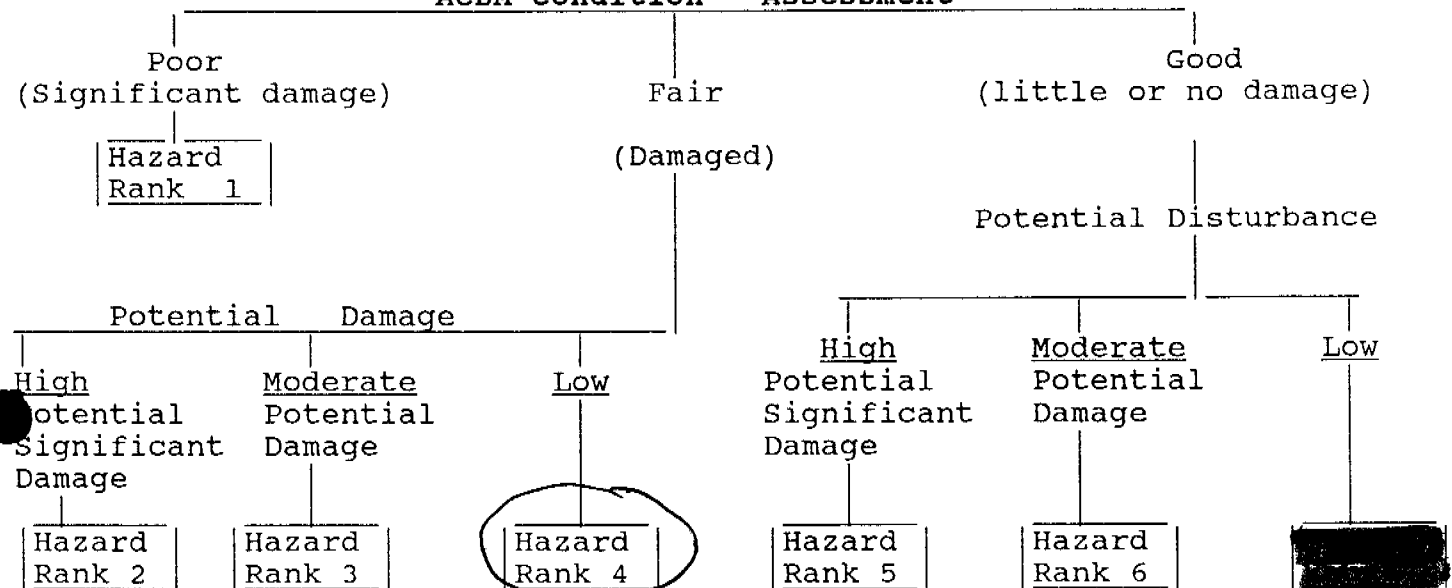
enclose

encapsulate

remove

O&M

ACBM Condition - Assessment



Client Number		Report Number		HAZARD MANAGEMENT SERVICES, INC.		District or Business	
Received By		Date Rec'd		Billing Address:		School Chapman Elementary	
Reported Results		Date/Time/By		Collected by:		Bldg	
LAB Request: % Asbestos By PLM		Date		Sent to Lab by:		3-31-88	
Sample #HMS-		I - 1 page No		MATERIALS/LOCATION		% Asbestos	
CPM-01				M: VET-12" - beige & backing		0	
				L: Unit G - Room #4			
CPM-02				M: False Ceiling Panel 2'x4'		0	
				L: Unit G - Room #4			
CPM-03				M: TSI - Muddled joint		1-5	
				L: Unit G - Room #3			
CPM-04				M: Acoustic Ceiling Panels 12'x1'		0	
				L: Supervisors Trailer			
CPM-05				M: VET-9" - white & backing		1-5	
				L: Unit F - room #3 (classroom #6)			
CPM-06				M: Acoustic Ceiling tiles		0	
				L: Unit F room #5			
CPM-07A				M: Hard Plaster Wall & Ceiling		0	
				L: Unit F - Boys bathroom			
CPM-07B				M: Hard Plaster Wall & Ceiling		0	
				L: Unit F - Boys bathroom			
CPM-07C				M: Hard Plaster wall & Ceiling		0	
				L: Unit F - Boys wall & Ceiling			
CPM-08				M: False Ceiling Panel 2'x4'		0	
				L: Unit F - room #2 (library)			

HAZARD MANAGEMENT SERVICES, INC.
 Client Number Report Number
 Received By Date Rec'd
 District or Business
 School Chapman Elementary
 OR
 Bldg
 3-31-88

Reported Results Date/Time/By
 Collected by: Date
 Sent to Lab by: date
 LAB Request: % Asbestos By PLM

FASI Lab#	Sample #HMS-	I - 1 page No	MATERIALS/LOCATION	% Asbestos
	CPM-09A		M: Debris L: Unit A - room # 7 (water heater room)	75-80
	CPM-09B		M: TST - Pipe Wrap Straight L: Unit A - room # 7 (water heater room)	95-90
	CPM-09C		M: TSI - Muddled joint L: Unit A - room # 7 (water heater room)	75-80
	CPM-10		M: VFT - 9" - Brown & Backing L: Unit A - room # 5 (Kitchen)	10-15
	CPM-11A		M: Hard Wall Plaster L: Unit A - room # 5 (Kitchen)	0
	CPM-11B		M: Hard Wall Plaster L: Unit A - room # 5 (Kitchen)	0
	CPM-11C		M: Hard Wall Plaster L: Unit A - room # 5 (Kitchen)	0
	CPM-11D		M: Hard Ceiling Plaster L: Unit A - room # 5 (Kitchen)	0
	CPM-11E		M: Hard Wall Plaster L: Unit A - room # 5 (Kitchen)	0
	CPM-12		M: VFT - 12" Blue & Backing L: Unit A - room # 3 (MP Room)	1-5

BULK SAMPLES

3777 Depot Rd: Suite 408 Hayward, Ca. 94545 (415) 887-8828 Page 3 of 5

Client Number Report Number Date Rec'd		HAZARD MANAGEMENT SERVICES, INC. Bill To: P.O. Box 7012, Modesto, Ca 95355 Billing Address:		District or Business School <u>Chapman Elementary</u> OR Bldg	
Reported Results Date/Time/By		Collected by:		Sent to Lab by:	
LAB Request: % Asbestos By PLM		3-31-88			

Sample #HMS-	1 - 1 page No	MATERIALS/LOCATION	% Asbestos
CPM-13A		M: acoustic Ceiling Plaster L: Unit A - (MP room) room # 3	1-5
CPM-13B		M: acoustic Ceiling Plaster L: Unit A - room # 3 (MP room)	1-5
CPM-13C		M: acoustic Ceiling Plaster L: Unit A - room # 3 (MP Room)	1-5
CPM-13D		M: acoustic Ceiling Plaster L: Unit A - room # 3 (MP Room)	1-5
CPM-13E		M: acoustic Ceiling Plaster L: Unit A - room # 3 (MP Room)	1-5
CPM-14A		M: Hard Ceiling Plaster L: Unit D - room # 16 (Girls Bathroom)	1-5
CPM-14B		M: Hard Ceiling Plaster L: Unit D - room # 16 (boys bathroom)	1-5
CPM-11F		M: Hard wall Plaster L: Unit C - room # 14	0
CPM-11G		M: Hard wall Plaster L: Unit D - room # 15 (Janitors room)	0
CPM-14C		M: Hard Ceiling Plaster L: Unit C - room # 14 (Girls Bathroom)	1-5

Client Number		Report Number		HAZARD MANAGEMENT SERVICES, INC.		District or Business	
Received By		Date Rec'd		Bill To:		School Chapman Elementary	
Reported Results		Date/Time/By		P.O. Box 7012, Modesto, Ca 95355		OR	
				Billing Address:		Bldg	
				Collected by:		Sent to Lab by:	
				LAB Request: % Asbestos By PLM		date	
						3-31-88	

Sample #	1 - 1 page No	MATERIALS/LOCATION	% Asbestos
CPM-14D		N: Hard Ceiling Plaster L: Unit A - room # 8	1-5
CPM-14E		N: Hard Ceiling Plaster L: Unit A - room # 2	1-5
CPM-15		N: TSI - Muddled joint L: Unit C - room # 4 (storage room)	1-5
CPM-16		N: TSI - PW straight ls L: Unit A - room # 4 (storage room)	5-10
CPM-17		N: TSI Linoleum - Brown L: Unit C - room # 14 (girls bathroom)	0
CPM-18		N: Acoustic Ceiling tile L: Unit C - room # 9	0
CPM-19A		N: Muddled joint (Large 10") L: Unit D - room # 15 Boiler	65-70
CPM-19B		N: Muddled joint (Large 10") L: Unit D - room # 15 (Boiler)	65-70
CPM-19C		N: Muddled joint (Large 10") L: Unit D - room # 15 (Boiler)	75-80
CPM-20		N: Muddled joint (Small 4") L: Unit D - room # 15 (Boiler)	75-80

FORENSIC ANALYTICAL SPECIALTIES INC. - ASBESTOS ANALYSIS LABORATORY REQUEST FORM

BULK SAMPLES

3777 Depot Rd: Suite 408 Hayward, Ca. 94545 (415) 887-8828 Page 5 of 5

Client Number	Report Number	HAZARD MANAGEMENT SERVICES, INC.
Received By	Date Rec'd	Bill To: P.O. Box 7012, Modesto, Ca 95355 Billing Address:
		District or Business School <u>Chapman Elementary</u> OR Bldg

3-31-88

Reported Results	Date/Time/By	Collected by:	Date	Sent to Lab by:	date
		LAB Request: % Asbestos By PLM			

FAIS Lab#	Sample #HMS-	I page No	MATERIALS/LOCATION	% Asbestos
	CPM-21		M: TSI PW Straight (small 4") L: Unit D - room # 15	55-60
	CPM-22		M: P.W. straight (large) L: Unit D - room # 15	50-55
	CPM-23		M: Backing Board on Boiler L: Unit D - room # 15 (Boiler)	85-90
	CPM-24		M: VFT-9"- Grey & backing L: Unit B - room # 14	10-15
	CPM-25		M: Linoleum - Beige L: Unit A room # 1	0
	CPM-14F		M: Hard Ceiling Plaster L: Unit A - room # 1 (main Principal's office)	1-5
	CPM-14G		M: Hard Ceiling Plaster L: Unit A - room # 1 (nurses office)	+
	CPM-2C		M: Linoleum - Off-white L: Unit E room # 2 (bathroom)	0
	CPM-		M: L:	
	CPM-		M: L:	

Forensic Analytical Specialties, Inc.

Dear Local Educational Assistance Official:

Forensic Analytical Specialties, Inc., in accordance with the Asbestos Hazards Emergency Response Act, has received Accredited Laboratory status for the purpose of analyzing suspected asbestos-containing materials in schools. Verification of this accreditation can be found in the Federal Register/Vol. 53, No. 169/August 31, 1988, page 33611.

The analysis of each sample received by our laboratory becomes the responsibility of one of our qualified microscopists. Different samples within a single group or in different groups submitted by the same client may be assigned to different analysts. In order to simplify the reporting process, the analyst responsible for each sample is listed by initials in the upper right-hand corner of each report and the report is signed solely by the lab supervisor. To satisfy any questions regarding signatures by each analyst involved in sample characterization, listed below are the signatures corresponding to the analyst's initials which you may find on your particular set of reports:

<u>Initials</u>	<u>Analyst Name</u>	<u>Analyst Signature</u>
BB	Brent Beadnell	<i>Brent Beadnell</i>
MF	Michelle Fox	<i>Michelle Fox</i>
DK	David Kahane	<i>David Kahane</i>
JM	Jeff Malaihollo	<i>Jeffery A. Malaihollo</i>
DN	David Nesbitt	<i>David J. Nesbitt</i>
SAS	Stephen A. Shaffer	<i>Stephen A. Shaffer</i>
BT	Boyd Taylor	<i>Boyd Taylor</i>

I hope that this additional information will help clarify any issues regarding laboratory result reporting practices under AHERA. We wish you good luck in the effective implementation of your Hazard Management Plan.

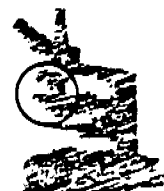
Sincerely,

David Kahane

David Kahane
Director of Environmental Services
Forensic Analytical Specialties, Inc.

Consulting and Laboratory Services in the Forensic and Environmental Health Sciences

3777 Depot Road, Suite 406 - 408, Hayward, CA 94545 415/887-8828 FAX 415/887-4218





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

SEP 21 1988

9220

Stephen A. Shaffer
Forensic Analytical Specialties, Inc.
3777 Depot Road Suite 408
Hayward, CA 94543

SUBJECT: EPA Interim Laboratory Accreditation for Laboratories
Which Offer Analysis of Bulk Samples for Asbestos

Dear Laboratory Director:

The U.S. Environmental Protection Agency (EPA) has completed its review of the results of the second round of analyses in the EPA "Interim Asbestos Bulk Sample Analysis Quality Assurance Program." I am pleased to inform you that your laboratory has successfully classified each of four bulk samples submitted to your facility as either asbestos-containing or nonasbestos-containing. Since each sample was correctly classified, a status of "accredited" has been assigned to your laboratory. As you are aware, each laboratory is also given a numerical score which does not affect your accredited status. The numerical score reflects your laboratory's performance in determining the quantity and type of asbestos in the asbestos-containing samples. Your laboratory's score is 100%.

As announced in the FEDERAL REGISTER of March 29, 1988 (see enclosed copy), the second round of the EPA Interim Program is the last planned round of EPA accreditation. Laboratories which are accredited in the second round of this program will be considered accredited until January 12, 1989. The National Bureau of Standards (NBS) will begin formal operation of the National Voluntary Laboratory Accreditation Program (NVLAP) for laboratories which conduct analyses of bulk samples for asbestos by polarized light microscopy (PLM) in October 1988. Applications for participation in this program are currently being accepted. You may contact Dr. Larry Gallowin of NBS at (301)975-4022 for enrollment information. An exception to the EPA deadline of January 12, 1989 has been made for laboratories which are accredited in the second EPA round and have enrolled in the NBS program by September 30, 1988. These laboratories will be considered accredited by EPA until NBS has completed its first evaluation of an individual laboratory's performance. The enclosed copy of the FEDERAL REGISTER notice details the period of transition from EPA accreditation to NBS accreditation. Please note that a laboratory currently accredited by EPA must enter the NBS program and receive accreditation from NBS to continue analysis of bulk samples from school buildings.

Should you have any questions regarding the current EPA round of accreditation, you may contact Bruce Harvey of Research Triangle Institute at (919)541-6369. Thank you for your participation in the program.

Sincerely,

Martin P. Halper, Director
Exposure Evaluation Division (TS-333)

ADDITIONAL MANAGEMENT PLAN DATA

SAMPLING PROTOCOL

Where friable surfacing materials were encountered, the following sampling protocol was followed.

1. The homogeneous sampling area was divided into nine equal areas.
2. Random numbers were taken from a source (EPA's Sampling Strategy Booklet).
3. Three samples were collected at or near the center of the selected areas which totaled less than 1,000 square feet, five for 1,000 to 5,000 square feet, and seven or more for friable homogeneous areas greater than 5,000 square feet.

Where non-friable samples were collected, the following sampling protocol was followed:

1. Surfacing - three or more samples were collected, generally in non-conspicuous locations from each homogeneous material.
2. TSI - three or more samples were taken from homogeneous materials.
3. Miscellaneous - one or more samples were taken from miscellaneous materials in a manner sufficient to determine the asbestos content of each homogeneous material.

In some cases materials were assumed to contain asbestos. This was done with materials which always contain asbestos (transite or aircell insulation) or with materials which had been identified as ACBM in a previous survey.