

Bulk Asbestos Analysis

(EPA Method 600/R-93-116)

Chico Unified School Dist
Ron Jones

2455 Carmichael Drive
Chico, CA 95928

Client ID: 2921
Report Number: B000390
Date Received: 05/07/98
Date Analyzed: 05/08/98

Job ID / Site: CJHS Gym & MPR Wing

FASI Job ID: 2921-10

Sample Number	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
CJHS98422-11R	19804555						
Layer: Black Tar			ND				
Layer: Black Felt			ND				
Layer: Black Tar		Chrysotile	15 %				
Layer: Black Felt			ND				

Total Composite Values of Fibrous Components: Asbestos:(Trace) Cellulose (10%) Fibrous Glass (ND)
Comment: Bulk complex sample.

CJHS98422-14R	19804556		
Layer: Black Felt			ND
Layer: Black Tar			ND
Layer: Black Felt			ND
Layer: Black Tar			ND

Total Composite Values of Fibrous Components: Asbestos:(ND) Cellulose (10%) Fibrous Glass (Trace%)
Comment: Bulk complex sample.


Dave Sandusky, Laboratory Director, 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 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 Forensic Analytical 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 with approval from Forensic Analytical. The client is solely responsible for the use and interpretation of test results and reports requested from Forensic Analytical. This report must not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government. Forensic Analytical is not able to assess the degree of hazard resulting from materials analyzed. Forensic Analytical reserves the right to dispose of all samples at a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

C: asbestos binder

Bulk Asbestos Analysis

(EPA Method 600/R-93-116)

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Client ID: 2921
Report Number: B000390
Date Received: 05/07/98
Date Analyzed: 05/08/98

Job ID / Site: CJHS Gym & MPR Wing

FASI Job ID: 2921-10

Sample Number	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
CJHS98422-15R	19804557						
Layer: Black Felt			ND				
Layer: Black Tar			ND				
Layer: Black Felt			ND				
Layer: Black Tar			ND				
Layer: Black Felt			ND				
Layer: Black Tar			ND				

Total Composite Values of Fibrous Components: Asbestos:(ND) Cellulose (10%) Fibrous Glass (15%)
Comment: Bulk complex sample.


Dave Sandusky, Laboratory Director, 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 SAMPLE REQUEST FORM

CLIENT NAME & ADDRESS: 2921 Chico Unified School District 2455 Carmichael Drive Chico, CA 95928		PHONE: 530-891-3194 FAX: 530-891-3194	DATE: 5-4-98
		Circle the Method and Turn Around Time ____ hr/12hr/24hr/48hr/Ext	Results Needed: 5-8-98 1:30pm by FAX
		PLM: <u>Standard</u> / Point Count	Gravimetry Prep
		CONTACT: RON JONES	
P.O.# NONE	JOB #	TEM: QUAL. / QUANT. / WATER AA/Flame AA/Furnace ICP	
SITE: CJHS GYM & MPR Wing		METALS:	

SAMPLE NUMBER	DATE COLLECTED	SAMPLE LOCATION/DESCRIPTION
CJHS98422-11R	4/22/98	Lowest Roof over restrooms behind GYM (East End). Roofing System.
CJHS98422-14R	4/22/98	Roofing System, lower roof behind kitchen (A Wing)
CJHS98422-15R	4/22/98	Roofing System, Lower roof over staff dining near waste vent.
CJHS98422-16R	4/22/98	Roofing System, lower roof/covered walk west of teachers dining room (A Wing).
		NOTE: Please analyze these samples for asbestos, using the PLM method, and report by layer.

Sampled by: JIM RICH / EOS ENVIRONMENTAL		Date: 4/22/98	Time: 5:00 p.m.
Relinquished by: JIM RICH	Received By: RON JONES		
Date/Time: 5-4-98 10:00 p.m.	Date/Time: 5-4-98 10:00 p.m. Sealed Condition (circle one) YES / NO		
Relinquished by: RON JONES	Received By: Airborne Express		
Date/Time: 5-6-98 3:00 p.m.	Date/Time: 5-6-98 3:00 p.m. Sealed Condition (circle one) YES / NO		

RECEIVED MAY 07 1998
Lily K. Son-Sample Custodian

Ham ABX

**A/C INDUSTRIAL SERVICES CORP.**

1111 Marauder Street
Chico, California 95973
(530) 343-5488
(530) 343-4356 Fax
Lic. #442414

WORK ORDER

11549

Company Chico Union School District
Billing Address 2455 Carmichael Dr
City/State Chico CA Zip 95926
Location Chico Jr High Phone No. _____
Services Performed cut out Roof holes Contact: _____
For new A/C units

Date 8-3-98
A/C Job No. 98-0252
Contract No. _____
Job Type: ☐ T&M ☐ Bid
Start Time 5:30 AM
Depart Yard 6:30 pm
Return Yard 2:00
End Time 2:20

EQUIPMENT**LABOR**

Truck No.	Type	Arrive Job Time AM or PM	Depart Job Time AM or PM	Name	Classification	Arrive Job Time AM or PM	Depart Job Time AM or PM	Remarks
303	Pickup	6:45	1:45	Blake Rosta	Foreman	6:45	1:45	
				Tony Rosta	TECH	6:45	1:45	

HOURS	EQUIPMENT & NUMBER	UNITS	EQUIPMENT & NUMBER	HOURS	EQUIPMENT & NUMBER
	Truck, Personnel		Drums, 17E or 17H		Compressor, Type:
	Truck, Gear		Drums, Overpack		Generator, Type:
	Truck, P/U		Drums, Other:		Double Diaphragm Pump
	Truck, Dump	4	Asbestos Bags		SCBA, No.:
	Truck, Dump		Absorbent, Type:		Respirator, No.:
	Truck, Flatbed	1 Roll	6 mil Poly		Suit, Type:
	Truck, 4x4	1	Spew Roll		
	Truck, Vacuum		Spill Pads, Type:		
	ERV		Sorbent Booms, Type:		Gloves, Type:
	Backhoe				
	Truck, Delivery	10	Asphalt Pails		
8	Rolls Duct Tape				Tripod, OSHA
4	Cans Spray Glue	1	Extension Ladder		Hose:
					Type Size Length
			Waste Profile Fee		Type Size Length
	Cellular Phone		Washout Charge		Rags Pounds

Meals Start/Stop _____ Lodging Start/Stop _____ Permits _____
Mileage _____ To _____ Drums _____ Gallons _____ Yards _____ Tons _____
TSDF _____ No. Loads _____ Hauler No. _____ Manifest No. _____
Prepared by: Blake Rosta Signature: Blake Rosta Authorization Signature: _____



A/C INDUSTRIAL SERVICES CORP.

1111 Marauder Street
Chico, California 95973
(530) 343-5488
(530) 343-4356 Fax
Lic. #442414

WORK ORDER

11550

Company Chico Union School Dist.
Billing Address 2455 Carmichael Dr
City/State Chico CA Zip 95926
Location Chico Jr High Phone No. _____
Services Performed Cut out Roof holes Contact: _____
For new A/C units.

Date 8-4-98
A/C Job No. 98-0252
Contract No. _____
Job Type: ☐ T&M ☐ Bid
Start Time 5:30 AM
Depart Yard 6:00 AM
Return Yard 2:00 PM
End Time 2:30 PM

EQUIPMENT

LABOR

Truck No.	Type	Arrive Job Time AM or PM	Depart Job Time AM or PM	Name	Classification	Arrive Job Time AM or PM	Depart Job Time AM or PM	Remarks
303.	Pickup	6:15	2:00	Blake Roath	Foreman	6:15	2:00	
				Tony Avila	Tech	6:15	2:00	

HOURS	EQUIPMENT & NUMBER	UNITS	EQUIPMENT & NUMBER	HOURS	EQUIPMENT & NUMBER
	Truck, Personnel		Drums, 17E or 17H		Compressor, Type:
	Truck, Gear		Drums, Overpack		Generator, Type:
	Truck, P/U		Drums, Other:		Double Diaphragm Pump
	Truck, Dump	3	Fiber Drums		SCBA, No.:
	Truck, Dump		Absorbent, Type:	2	Respirator, No.: 1/2 Free-
	Truck, Flatbed			8	Suit, Type: white Tyvek
	Truck, 4x4	10	15 Best's Bags		
	Truck, Vacuum		Spill Pads, Type:		
	ERV		Sorbent Booms, Type:	2	Gloves, Type: leather
	Backhoe	1	Saw - 2nd		
	Truck, Delivery	1	Roll Limit Poly		
1	Hepa UAL				Tripod, OSHA
		10	Hand Tools	1	Hose: 50'
					Type Size Length
			Waste Profile Fee		Type Size Length
	Cellular Phone		Washout Charge		Rags Pounds

Meals Start/Stop _____ Lodging Start/Stop _____ Permits _____
Mileage _____ To _____ Drums _____ Gallons _____ Yards _____ Tons _____
TSDF _____ No. Loads _____ Hauler No. _____ Manifest No. _____
Prepared by: Blake Roath Signature: [Signature] Authorization Signature: _____

**A/C INDUSTRIAL SERVICES CORP.**

1111 Marauder Street
Chico, California 95973
(530) 343-5488
(530) 343-4356 Fax
Lic. #442414

WORK ORDER

11578

Company Chico Unified School District

Billing Address _____

City/State _____ Zip _____

Location _____ Phone No. 891-3195Services Performed _____ Contact: Rob Peters

Load, Transport and Dispose of
Approx. 400-lbs of pipe wrapped with
asbestos insulation

Date 8/4/98A/C Job No. 98-0252

Contract No. _____

Job Type: ☐ T&M ☒ BidStart Time 11:15

Depart Yard _____

Return Yard _____

End Time 12:15**EQUIPMENT****LABOR**

Truck No.	Type	Arrive Job Time AM or PM	Depart Job Time AM or PM	Name	Classification	Arrive Job Time AM or PM	Depart Job Time AM or PM	Remarks
1120	2 ton	1130	1200	Brent Schuel		1130	1200	

HOURS	EQUIPMENT & NUMBER	UNITS	EQUIPMENT & NUMBER	HOURS	EQUIPMENT & NUMBER
	Truck, Personnel		Drums, 17E or 17H		Compressor, Type:
	Truck, Gear		Drums, Overpack		Generator, Type:
	Truck, P/U		Drums, Other:		Double Diaphragm Pump
	Truck, Dump				SCBA, No.:
	Truck, Dump		Absorbent, Type:		Respirator, No.:
	Truck, Flatbed				Suit, Type:
	Truck, 4x4				
	Truck, Vacuum		Spill Pads, Type:		
	ERV		Sorbent Booms, Type:		Gloves, Type:
	Backhoe				
	Truck, Delivery				
			Lump Sum \$50.00		Tripod, OSHA
					Hose:
					Type Size Length
			Waste Profile Fee		Type Size Length
			Washout Charge		Rags Pounds
	Cellular Phone				

Meals Start/Stop _____ Lodging Start/Stop _____ Permits _____

Mileage _____ To _____ Drums _____ Gallons _____ Yards _____ Tons _____

TSDF ASW No. Loads _____ Hauler No. _____ Manifest No. _____Prepared by: MB Signature: _____ Authorization Signature: B. Jones

**A/C INDUSTRIAL SERVICES CORP.**

1111 Marauder Street
Chico, California 95973
(530) 343-5488
(530) 343-4356 Fax
Lic. #442414

WORK ORDER

11580

Company Chico Union School Dist
Billing Address 2455 Carmichael Dr
City/State Chico CA Zip 95926
Location Chico Jr High Phone No. _____
Services Performed Glove Bag AND Contact: _____
Pipe Removal

Date 8-5-98
A/C Job No. 98-0252
Contract No. _____
Job Type: ☐ T&M ☐ Bid
Start Time 5:30 AM
Depart Yard 6:00 AM
Return Yard 11:00 AM
End Time 12:00 PM

EQUIPMENT**LABOR**

Truck No.	Type	Arrive Job Time AM or PM	Depart Job Time AM or PM	Name	Classification	Arrive Job Time AM or PM	Depart Job Time AM or PM	Remarks
303	Pickup	6:15	10:45	Blake ROUTH	Foreman	6:15	10:45	
				Erny Ruiz	TRCH	6:15	10:45	

HOURS	EQUIPMENT & NUMBER	UNITS	EQUIPMENT & NUMBER	HOURS	EQUIPMENT & NUMBER
	Truck, Personnel		Drums, 17E or 17H		Compressor, Type:
	Truck, Gear		Drums, Overpack		Generator, Type:
	Truck, P/U		Drums, Other:		Double Diaphragm Pump
	Truck, Dump	1	Hudson Sprayer		SCBA, No.:
	Truck, Dump		Absorbent, Type:	2	Respirator, No.: 1/2 Free
	Truck, Flatbed	25	Asbestos Bags	8	Suit, Type: white Tyvek
	Truck, 4x4	1	Saw-Zack		
	Truck, Vacuum		Spill Pads, Type:		
	ERV		Sorbent Booms, Type:	2	Gloves, Type: leather
	Backhoe	2	Rollie Duct Tape		
	Truck, Delivery	2	CAN'S SPRAY GLUE		
		5	HAND TOOLS		Tripod, OSHA
594	ENCAPSOLE-A			1	Hose: 50'
1	HEPA UAC				Type Size Length
			Waste Profile Fee		Type Size Length
	Cellular Phone		Washout Charge		Rags Pounds

Meals Start/Stop _____ Lodging Start/Stop _____ Permits _____
Mileage _____ To _____ Drums _____ Gallons _____ Yards _____ Tons _____
TSDF _____ No. Loads _____ Hauler No. _____ Manifest No. _____
Prepared by: Blake ROUTH Signature: Blake ROUTH Authorization Signature: _____

**A/C INDUSTRIAL SERVICES CORP.**

1111 Marauder Street
Chico, California 95973
(530) 343-5488
(530) 343-4356 Fax
Lic. #442414

WORK ORDER

11615

Company CITRO UNIFIED SCHOOL DISTDate 8-18-98

Billing Address _____

A/C Job No. 98-252

City/State _____ Zip _____

Contract No. _____

Location CITRO JAL 17104 Phone No. _____Job Type: ☐ T&M ☐ BidServices Performed T&D ASBESTOS Contact: _____Start Time 0800TO ANDERSON

Depart Yard _____

Return Yard _____

End Time 0100**EQUIPMENT****LABOR**

Truck No.	Type	Arrive Job Time AM or PM	Depart Job Time AM or PM	Name	Classification	Arrive Job Time AM or PM	Depart Job Time AM or PM	Remarks
907	Truck	0800	1100	Bob Thibault Joe Williams	Operator Truck	0800	1100	

HOURS	EQUIPMENT & NUMBER	UNITS	EQUIPMENT & NUMBER	HOURS	EQUIPMENT & NUMBER
	Truck, Personnel		Drums, 17E or 17H		Compressor, Type:
	Truck, Gear		Drums, Overpack		Generator, Type:
	Truck, P/U		Drums, Other:		Double Diaphragm Pump
	Truck, Dump				SCBA, No.:
	Truck, Dump		Absorbent, Type:		Respirator, No.:
	Truck, Flatbed				Suit, Type:
	Truck, 4x4				
	Truck, Vacuum		Spill Pads, Type:		
	ERV		Sorbent Booms, Type:		Gloves, Type:
	Backhoe				
	Truck, Delivery				
					Tripod, OSHA
					Hose:
					Type Size Length
			Waste Profile Fee		Type Size Length
	Cellular Phone		Washout Charge		Rags Pounds

Meals Start/Stop _____ Lodging Start/Stop _____ Permits _____

Mileage _____ To _____ Drums _____ Gallons _____ Yards _____ Tons _____

TSDF _____ No. Loads _____ Hauler No. _____ Manifest No. _____

Prepared by: <u>B. C. D. H.</u>	Signature: <u>B. C. D. H.</u>	Authorization Signature: _____
---------------------------------	-------------------------------	--------------------------------

AIRBORNE FIBER Analysis Request Form for Hazard Management Services, Inc.

P.O. BOX 576848
MODESTO, CA 95357-6848
(209) 551-2000
FAX (209) 551-2005

P.O. BOX 7548
CITRUS HEIGHTS, CA 95621-7548
(916) 723-4350
FAX (916) 723-6917

P.O. BOX 25474
FRESNO, CA 93729
(209) 434-8163
FAX (209) 434-8163

DATE 8-6-98

XX

SPECIAL INSTRUCTIONS:

☒ PCM NIOSH 7400 A 2 HR ☒ 12 HR ☐
24 HR ☐ 48 HR ☐

☐ TEM AHERA:

☐ TEM YAMATE I OR II 2 HR ☐ 12 HR ☐
24 HR ☐ 48 HR ☐

Bill lab charges to: HMS, Inc. ☒ or Client ☐

LAB: ☒ F.A.S.I ☒ ASBESTECH ☒ H.M.S., INC.

COLLECTED: 8-6-98 BY: R. BEALL

C. GERBER

D. COLLEY

JOB I.D.: C1215
Chico U.S.D.

JOB SITE: Chico Jr. High
Pipe "Wrap + Cut" Removal of Old System

Sample #	Lab #	Location/Activity/Date Collected	Flow	LPM AVG.	On/Off Total	Vol. (L)	Fibers/ Fields	Results
HMS- C1215- CA36	08/9809 -01	Pipe "Wrap + Cut" Location #2 (see map) South Stage- Side Room Clearance Air	H10	14.1 13.9 14.0	09:15 11:40 14:5	2,030	7/100	.002 .001 .006
HMS- CA37	-02						5/100	<.001 .001 .005
HMS- CA38	-03						10/100	.002 .001 .008
HMS- CA39	-04						5/100	<.001 .001 .005
HMS- CA40	-05						8/100	.002 .001 .006
HMS-								
HMS-								

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DATE 8-6-98

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24 HR ☐ 48 HR

☐ TEM AHERA

☐ TEM YAMATE I OR II 2 HR ☐ 12 HR
24 HR ☐ 48 HR

Bill lab charges to: HMS, Inc. ☒ or Client

LAB: ☒ F.A.S.I ☒ ASBESTECH ☒ H.M.S., INC. CCG
COLLECTED: 8-6-98 BY: R. BEALL
C. GERBER
D. COLLEY

JOB I.D.: C1215
Chico U.S.D.

JOB SITE: Chico Jr. High
Ceiling Cut-Outs for HVAC

Sample #	Lab #	Location/Activity/Date Collected	Rota	LPM AVG.	On/Off Total	Vol. (L)	Fibers/ Fields	Results
HMS- C1215- CA31	08/9908 -01	Ceiling Cut-out Location #1 (see map) Conference Rm. Clearance Air	H10	14.1 13.9 14.0	09:05 11:30 145	2,030	18/ 100	F .004 L .001 U .014
HMS- CA32	-02						16/ 100	F .004 L .001 U .013
HMS- CA33	-03						11/ 100	F .003 L .001 U .009
HMS- CA34	-04						22/ 100	F .005 L .001 U .017
HMS- CA35	-05	✓	✓	✓	✓	✓	18/ 100	F .004 L .001 U .014
HMS-								
HMS-								

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DATE 8-6-98

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SPECIAL INSTRUCTIONS:

☒ PCM NIOSH 7400 A 2 HR ☒ 12 HR ☐
24 HR ☐ 48 HR ☐

☐ TEM AHERA

☐ TEM YAMATE I OR II 2 HR ☐ 12 HR ☐
24 HR ☐ 48 HR ☐

Bill lab charges to: HMS, Inc. ☒ or Client ☐

LAB: ☐ F.A.S.I ☐ ASBESTECH ☒ H.M.S., INC. CCG

COLLECTED: 8-6-98 BY: R. BEALL ☐
C. GERBER ☒
D. COLLEY ☐

JOB I.D.: C1215 Chico U.S.D.

JOB SITE: Chico Jr. High Ceiling Cut-outs for HVAC

Sample #	Lab #	Location/Activity/Date Collected	Rate	LPM AVG.	On/Off Total	Vol. (L)	Fibers/ Fields	Results
HMC- C1215 CA26	08/9807 -01	Ceiling Cut-out Loc. #6 (see map) Staff Dining Clearance Air	H10	14.1 13.9 14.0	08:55 11:25 150	2,100	22/ 100	F.005 L.001 U.016
HMS- CA27	-02						18/ 100	F.004 L.001 U.014
HMS- CA28	-03						14/ 100	F.003 L.001 U.011
HMS- CA29	-04						10/ 100	F.002 L.001 U.008
HMS- CA30	-05						16/ 100	F.004 L.001 U.012
HMS-								
HMS-								

AIRBORNE FIBER Analysis Request Form for Hazard Management Services, Inc

P.O. BOX 576848
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FAX (209) 551-2005

P.O. BOX 7548
CITRUS HEIGHTS, CA 95621-7548
(916) 723-4350
FAX (916) 723-6917

P.O. BOX 25474
FRESNO, CA 93729
(209) 434-8163
FAX (209) 434-8163

DATE 8-6-98

XX

SPECIAL INSTRUCTIONS:

☒ PCM NIOSH 7400 A 2 HR ☒ 12 HR
24 HR ☐ 48 HR

☐ TEM AHERA;

☐ TEM YAMATE I OR II 2 HR ☐ 12 HR
24 HR ☐ 48 HR

Bill lab charges to: HMS, Inc. ☒ or Client ☐

LAB: ☐ F.A.S.I. ☐ ASBESTECH ☒ H.M.S., INC.

COLLECTED: 8-5-98 BY: R. BEALL

C. GERBER ☒

D. COLLEY

JOB ID: C1215
Chico U. S. D.

JOB SITE: Chico Jr. High
Pipe "Wrap + Cut" Removal of Old System

Sample #	Lab #	Location/Activity/Date Collected	Rota	LPM AVG.	On/Off Total	Vol. (L)	Fibers/ Fields	Results
HMS- C1215	08/9806	Pipe "Wrap + Cut" Location #1 (see map) North Stage-	H10	14.1	16:25	1,470	5/100	< .002
CA21	-01	Sida. Room - Clearance Air		13.9	18:10			.002
				14.0	105			.006
HMS- CA22	-02						4/100	< .002 .002 .006
HMS- CA23	-03						6/100	.002 .002 .007
HMS- CA24	-04						4/100	< .002 .002 .006
HMS- CA25	-05						4/100	< .002 .002 .006
HMS-								
HMS-								

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FAX (209) 551-2005

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CITRUS HEIGHTS, CA 95621-7548
(916) 723-4350
FAX (916) 723-6917

P.O. BOX 25474
FRESNO, CA 93729
(209) 434-8163
FAX (209) 434-8163

DATE Aug. 5, 1998

XX

SPECIAL INSTRUCTIONS:

☒ PCM NIOSH 7400 A 2 HR ✓; 12 HR ✓;
24 HR ✓; 48 HR ✓;

☐ TEM AHERA;

☐ TEM YAMATE I OR II 2 HR ✓; 12 HR ✓;
24 HR ✓; 48 HR ✓;

Bill lab charges to: HMS, Inc. ✓ or Client ✓

LAB: ☒ F.A.S.I. ☒ ASBESTECH ☒ H.M.S., INC. ccg

COLLECTED: 8-5-98; BY: R. BEALL
C. GERBER
D. COLLEY

JOB I.D.: C1215 Chico U.S.D.

Chico Jr. High
JOB SITE: Ceiling Cut-Outs for HVAC

Sample #	Lab #	Location/Activity/Date Collected	Rota	LPM AVG.	On/Off Total	Vol. (L)	Fibers/ Fields	Results
HMS- C1215 - CA 16	08/9805 -01	Ceiling Cut-Out Location # 2 (see map) over stage Clearance Air	H10	14.1 13.9 14.0	15:15 17:15 120	1,680	6/ 100	F .002 L .002 U .006
HMS- CA 17	-02						8/ 100	F .002 L .002 U .008
HMS- CA 18	-03						8/ 100	F .002 L .002 U .008
HMS- CA 19	-04						10/ 100	F .003 L .002 U .010
HMS- CA 20	-05						8/ 100	F .002 L .002 U .008
HMS-								
HMS-								

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AIRBORNE FIBER Analysis Request Form for Hazard Management Services, Inc.

P.O. BOX 576848
MODESTO, CA 95357-6848
(209) 551-2000
FAX (209) 551-2005

P.O. BOX 7548
CITRUS HEIGHTS, CA 95621-7548
(916) 723-4350
FAX (916) 723-6917

P.O. BOX 25474
FRESNO, CA 93729
(209) 434-8163
FAX (209) 434-8163

DATE Aug. 5, 1998

XX

SPECIAL INSTRUCTIONS:

☒ PCM NIOSH 7400 A 2 HR ☒ 12 HR ☐
24 HR ☐ 48 HR ☐

☐ TEM AHERA

☐ TEM YAMATE I OR II 2 HR ☐ 12 HR ☐
24 HR ☐ 48 HR ☐

Bill lab charges to: HMS, Inc. ☒ or Client ☐

LAB: ☒ F.A.S.I. ☒ ASBESTECH ☒ H.M.S., INC. CCG

COLLECTED: 8-5-98 BY: R. BEALL
C. GERBER
D. COLLEY

JOB I.D.: C1215 Chico U.S.D. JOB SITE: Chico Jr. High Ceiling Cut-Outs for HVAC

Sample #	Lab #	Location/Activity/Date Collected	Rota	LPM AVG.	On/Off Total	Vol. (L)	Fibers/ Fields	Results
HMS- C1215 CA11	08/9804 -01	Ceiling Cut-Out Loc. #5 (see map) MPR East Clearance Air	H10	14.1 13.9 14.0	13:10 16:20 190	2,660	15/ 100	F .003 L .001 U .009
HMS- CA12	-02						21/ 100	F .004 L .001 U .013
HMS- CA13	-03						17/ 100	F .003 L .001 U .010
HMS- CA14	-04						10/ 100	F .002 L .001 U .006
HMS- CA15	-05						14/ 100	F .003 L .001 U .008
HMS-								
HMS-								

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DATE Aug 5, 1998

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24 HR ☐ 48 HR ☐

☐ TEM AHERA;

Bill lab charges to: HMS, Inc. ☒ or Client ☐

☐ TEM YAMATE I OR II 2 HR ☐ 12 HR
24 HR ☐ 48 HR ☐

LAB: ☐ F.A.S.I. ☐ ASBESTECH ☒ H.M.S., INC.

COLLECTED: 8-5-98; BY: R. BEALL
C. GERBER ☒
D. COLLEY ☐

JOB I.D.: C1215 - Chico U.S.D. JOB SITE: Chico Jr. High Ceiling Cut-outs for HVAC

Sample #	Lab #	Location/Activity/Date Collected	Rota	LPM AVG.	On/Off Total	Vol. (L)	Fibers/ Fields	Results
HMS- C1215 - CA06	08/9803 -01	Ceiling Cut-Out Location #4 (see map) MPR Center Clearance Air	H-10	14.1 13.9 14.0	13:05 16:15 19:0	2,660	8/ 100	F .001 L .001 U .005
HMS- CA07	-02						6/ 100	F .001 L .001 U .004
HMS- CA08	-03						7/ 100	F .001 L .001 U .004
HMS- CA09	-04						10/ 100	F .002 L .001 U .006
HMS- CA10	-05						10/ 100	F .002 L .001 U .006
HMS-								
HMS-								

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24 HR ☐ 48 HR ☐

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LAB: ☒ F.A.S.I. ☒ ASBESTECH ☒ H.M.S., INC. CCG

COLLECTED: 8-5-98; BY: R. BEALL
C. GERBER ☒
D. COLLEY ☐

JOB I.D.: C1215 Chico U.S.D. JOB SITE: Chico Jr. High Ceiling Cut-Outs for HVAC

Sample #	Lab #	Location/Activity/Date Collected	Flta	LPM AVG.	On/Off Total	Vol. (L)	Fibers/ Fields	Results
HMS- C1215- CA01	08/9802 -01	Ceiling Cut-Out Location #3 (see Map) MPR West. Clearance Air	H10	14.1 13.9 14.0	13:00 15:05 12.5	1,750	15/ 100	F .004 L .002 U .014
HMS- CA02	-02						8/ 100	F .002 L .002 U .007
HMS- CA03	-03						9/ 100	F .003 L .002 U .008
HMS- CA04	-04						17/ 100	F .005 L .002 U .015
HMS- CA05	-05						6/ 100	F .002 L .002 U .006
HMS-		8ym MCEF 25mm dia.						
HMS-								

0: FORMS \ SAMPLING \ AIR FIBRE BCR

97245279
IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802. WITHIN CALIFORNIA, CALL 1-800-852-7575

GENERATOR

TRANSPORTER

FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA101011401864041512717		Manifest Document No.		2. Page 1 of		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address 2455 CARMICHAEL DRIVE CHICO, CA 95926						A. State Manifest Document Number 97245279							
4. Generator's Phone (530) 341-3177						B. State Generator's ID							
5. Transporter 1 Company Name AIC INDUSTRIAL SERVICES						C. State Transporter's ID							
6. US EPA ID Number CA101913131819152						D. Transporter's Phone (530) 343-5488							
7. Transporter 2 Company Name						E. State Transporter's ID							
8. US EPA ID Number						F. Transporter's Phone							
9. Designated Facility Name and Site Address AMERSON SOLID WASTE INC. 18703 CAMBRIDGE ROAD AMERSON, CA 96007						G. State Facility's ID CA1019181131889152							
10. US EPA ID Number CA1019181131889152						H. Facility's Phone (530) 347-5236							
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) a. "RC" ASBESTOS, 9, N/A b. "RC" ASBESTOS, 9, N/A c. d.						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		I. Waste Number State 151 EPA/Other N/A	
												State	
												EPA/Other	
												State	
												EPA/Other	
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above a. 03 b.							
15. Special Handling Instructions and Additional Information 2455 CARMICHAEL DRIVE CHICO, CA 95926 AIC INDUSTRIAL SERVICES													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name Robert A. Michael						Signature Robert A. Michael		Month 08		Day 10		Year 1998	
17. Transporter 1 Acknowledgement of Receipt of Materials						Signature Blair Root		Month		Day		Year	
18. Transporter 2 Acknowledgement of Receipt of Materials						Signature		Month		Day		Year	
19. Discrepancy Indication Space													
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.													
Printed/Typed Name Ron Roberts						Signature Ron Roberts		Month 08		Day 10		Year 1998	

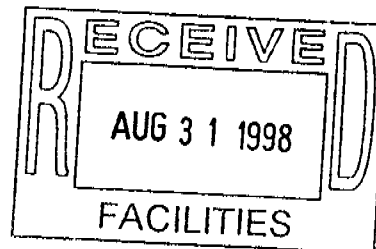
DO NOT WRITE BELOW THIS LINE.

Yellow: TSDf SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS.
(Generators who submit hazardous waste for transport out-of-state, produce completed copy of this copy and send to DTSC within 30 days.)

HMS, Inc.
HAZARD MANAGEMENT SERVICES, INC.

August 27, 1998

Mr. Rob Peters
Project Manager
Chico Unified School District
1163 E. Seventh Street
Chico, CA 95928



Re: Chico Junior High School
MPR HVAC Upgrade Project
Clearance Air Testing for Asbestos at Eight Mini-Containment Locations

Dear Mr. Peters:

This letter reports results of the clearance air monitoring conducted on August 5 and 6, 1998, by Hazard Management Services, Inc. (HMS, Inc.) at the location referenced above. These samples were taken at your request following removal of asbestos containing materials at eight different locations.

Six of the locations involved removal of approximately five square feet of acoustical plaster ceiling material to create openings for the installation of the new HVAC registers. Two of the locations involved the removal of intact insulated pipes using a "wrap & cut" procedure. The two "wrap & cut" locations included approximately 12 linear feet, and 28 linear feet of insulated pipe removal.

All of the eight locations are depicted on the attached diagram.

HMS, Inc.'s role was limited in scope, and included only the collection of 8 sets of five clearance air samples, after a final visual clearance was conducted. AC Industrial was the abatement contractor on this project and was not present during our work at the site.

Eight sets of clearance air samples were taken between August 5 and 6, 1998, and analyzed by phase contract microscopy (PCM). These samples were analyzed by HMS, Inc. on the site. All samples meet the US EPA AHERA clearance criteria for asbestos. The results of the sampling are also attached to this report for your records.

Please be sure to mention this abatement project in your annual notification to parents/staff under your EPA AHERA responsibilities. Also file copies of this report in the site and District Office EPA AHERA Management Plan books.

It has been our pleasure working with you on this project. Please call me at (916) 723-4350 if you have any questions regarding this report.

Sincerely,

A handwritten signature in black ink, appearing to read "C. Gerber".

Christian C. Gerber
Asbestos Consultant
DOSH #94-1572

Enclosures

C:\CLIENTS\CHICO\1215\FINAL.LTR



HAZARD MANAGEMENT SERVICES, INC.
P.O. BOX 7548
CITRUS HEIGHTS, CA 95621
(916) 723-4350

AIRBORNE FIBER ANALYSIS REPORT
PHASE CONTRAST MICROSCOPY

Client : Chico Unified School District
Site : Chico Jr. High School

Page 1 of 1

HMS Job Number : C1215

Lab Report Number : 08/9802

Client's
Job ID : C1215 - Ceiling Cut-Outs for HVAC

Date Analyzed : 08/05/98

Effective Filter Area: 385 mm²

Graticule Field Area: 0.00785 mm²

Sample #	Lab #	Location/Activity/Date Collected	Rota	LPM AVG.	On/Off Total	Vol. (L)	Fibers/ Fields	Results
HMS- C1215- CA01	08/9802-01	CEILING CUT-OUT LOCATION #3 (SEE MAP) MPR WEST. CLEARANCE AIR.	H10	14.1	13:00	1,750	15/100	f/cc .004
				13.9	15:05			LOD .002
				14.0	125			UCL .014
HMS- C1215- CA02	08/9802-02	CEILING CUT-OUT LOCATION #3 (SEE MAP) MPR WEST. CLEARANCE AIR.	H10	14.1	13:00	1,750	8/100	f/cc .002
				13.9	15:05			LOD .002
				14.0	125			UCL .007
HMS- C1215- CA03	08/9802-03	CEILING CUT-OUT LOCATION #3 (SEE MAP) MPR WEST. CLEARANCE AIR.	H10	14.1	13:00	1,750	9/100	f/cc .003
				13.9	15:05			LOD .002
				14.0	125			UCL .008
HMS- C1215- CA04	08/9802-04	CEILING CUT-OUT LOCATION #3 (SEE MAP) MPR WEST. CLEARANCE AIR.	H10	14.1	13:00	1,750	17/100	f/cc .005
				13.9	15:05			LOD .002
				14.0	125			UCL .015
HMS- C1215- CA05	08/9802-05	CEILING CUT-OUT LOCATION #3 (SEE MAP) MPR WEST. CLEARANCE AIR.	H10	14.1	13:00	1,750	6/100	f/cc .002
				13.9	15:05			LOD .002
				14.0	125			UCL .006

* TEM analysis - After sample has been analyzed by PCM, turn over to Asbestech for TEM Yamate Level II.

C:\CLIENT\CHICO\C1215\089802.LAB

Analyst 

Date

8-5-98

ANALYSIS PERFORMED ACCORDING TO NIOSH 7400 "A RULES"

f/cc = Fiber per Cubic Centimeter of Air
LOD = Limit of Detection
UCL = 95% Upper Confidence Level

AIRBORNE FIBER Analysis Request Form for Hazard Management Services, Inc.

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P.O. BOX 25474
 FRESNO, CA 93729
 (209) 434-8163
 FAX (209) 434-8163

DATE: August 5, 1998

XX

SPECIAL INSTRUCTIONS:

☒ PCM NIOSH 7400 A 2 HR XX; 12 HR____;
 24 HR____; 48 HR____;

☐ TEM AHERA;

☐ TEM YAMATE I OR II 2 HR____; 12 HR____;
 24 HR____; 48 HR____;

Bill lab charges to: HMS, Inc. XX

LAB: ☐ F.A.S.I ☐ ASBESTECH XX H.M.S.,INC.

COLLECTED: August 5, 1998; BY: C. GERBER

JOB I.D.: C1215 - CHICO UNIFIED SCHOOL DISTRICT

JOB SITE: CHICO JR. HIGH
 CEILING CUT-OUTS FOR HVAC

Sample #	Lab #	Location/Activity/Date Collected	Rota	LPM AVG.	On/Off Total	Vol. (L)	Fibers/ Fields	Results
HMS- C1215- CA01	08/9802-01	CEILING CUT-OUT LOCATION #3 (SEE MAP) MPR WEST. CLEARANCE AIR.	H10	14.1	13:00	1,750	15/100	f/cc .004
				13.9	15:05			LOD .002
				14.0	125			UCL .014
HMS- C1215- CA02	08/9802-02	CEILING CUT-OUT LOCATION #3 (SEE MAP) MPR WEST. CLEARANCE AIR.	H10	14.1	13:00	1,750	8/100	f/cc .002
				13.9	15:05			LOD .002
				14.0	125			UCL .007
HMS- C1215- CA03	08/9802-03	CEILING CUT-OUT LOCATION #3 (SEE MAP) MPR WEST. CLEARANCE AIR.	H10	14.1	13:00	1,750	9/100	f/cc .003
				13.9	15:05			LOD .002
				14.0	125			UCL .008
HMS- C1215- CA04	08/9802-04	CEILING CUT-OUT LOCATION #3 (SEE MAP) MPR WEST. CLEARANCE AIR.	H10	14.1	13:00	1,750	17/100	f/cc .005
				13.9	15:05			LOD .002
				14.0	125			UCL .015
HMS- C1215- CA05	08/9802-05	CEILING CUT-OUT LOCATION #3 (SEE MAP) MPR WEST. CLEARANCE AIR.	H10	14.1	13:00	1,750	6/100	f/cc .002
				13.9	15:05			LOD .002
				14.0	125			UCL .006

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HAZARD MANAGEMENT SERVICES, INC.
P.O. BOX 7548
CITRUS HEIGHTS, CA 95621
(916) 723-4350

**AIRBORNE FIBER ANALYSIS REPORT
PHASE CONTRAST MICROSCOPY**

Client : Chico Unified School District
Site : Chico Jr. High School

Page 1 of 1

HMS Job Number : C1215

Lab Report Number : 08/9803

Client's
Job ID : C1215 - Ceiling Cut-Outs for HVAC

Date Analyzed : 08/05/98

Effective Filter Area: 385 mm²

Graticule Field Area: 0.00785 mm²

Sample #	Lab #	Location/Activity/Date Collected	Rota	LPM AVG.	On/Off Total	Vol. (L)	Fibers/ Fields	Results
HMS- C1215- CA06	08/9803-01	CEILING CUT-OUT LOCATION #4 (SEE MAP) MPR CENTER. CLEARANCE AIR.	H10	14.1	13:05	2,660	8/100	f/cc .001
				13.9	16:15			LOD .001
				14.0	190			UCL .005
HMS- C1215- CA07	08/9803-02	CEILING CUT-OUT LOCATION #4 (SEE MAP) MPR CENTER. CLEARANCE AIR.	H10	14.1	13:05	2,660	6/100	f/cc .001
				13.9	16:15			LOD .001
				14.0	190			UCL .004
HMS- C1215- CA08	08/9803-03	CEILING CUT-OUT LOCATION #4 (SEE MAP) MPR CENTER. CLEARANCE AIR.	H10	14.1	13:05	2,660	7/100	f/cc .001
				13.9	16:15			LOD .001
				14.0	190			UCL .004
HMS- C1215- CA09	08/9803-04	CEILING CUT-OUT LOCATION #4 (SEE MAP) MPR CENTER. CLEARANCE AIR.	H10	14.1	13:05	2,660	10/100	f/cc .002
				13.9	16:15			LOD .001
				14.0	190			UCL .006
HMS- C1215- CA10	08/9803-05	CEILING CUT-OUT LOCATION #4 (SEE MAP) MPR CENTER. CLEARANCE AIR.	H10	14.1	13:05	2,660	10/100	f/cc .002
				13.9	16:15			LOD .001
				14.0	190			UCL .006

* TEM analysis - After sample has been analyzed by PCM, turn over to Asbestech for TEM Yamate Level II.

C:\CLIENT\CHICO\C1215\089803.LAB

Analyst Chico

Date 8-5-98

ANALYSIS PERFORMED ACCORDING TO NIOSH 7400 "A RULES"

f/cc = Fiber per Cubic Centimeter of Air
LOD = Limit of Detection
UCL = 95% Upper Confidence Level

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(209) 434-8163
FAX (209) 434-8163

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DATE: August 5, 1998

SPECIAL INSTRUCTIONS:

☒ PCM NIOSH 7400 A 2 HR XX; 12 HR ____;
24 HR ____; 48 HR ____;

☐ TEM AHERA;

☐ TEM YAMATE I OR II 2 HR ____; 12 HR ____;
24 HR ____; 48 HR ____;

Bill lab charges to: HMS, Inc. XX

LAB: F.A.S.I ASBESTECH XX H.M.S., INC.

COLLECTED: August 5, 1998; BY: C. GERBER

JOB I.D.: C1215 - CHICO UNIFIED SCHOOL DISTRICT

JOB SITE: CHICO JR. HIGH
CEILING CUT-OUTS FOR HVAC

Sample #	Lab #	Location/Activity/Date Collected	Rota	LPM AVG.	On/Off Total	Vol. (L)	Fibers/ Fields	Results
HMS- C1215- CA06	08/9803-01	CEILING CUT-OUT LOCATION #4 (SEE MAP) MPR CENTER. CLEARANCE AIR.	H10	14.1	13:05	2,660	8/100	f/cc .001
				13.9	16:15			LOD .001
				14.0	190			UCL .005
HMS- C1215- CA07	08/9803-02	CEILING CUT-OUT LOCATION #4 (SEE MAP) MPR CENTER. CLEARANCE AIR.	H10	14.1	13:05	2,660	6/100	f/cc .001
				13.9	16:15			LOD .001
				14.0	190			UCL .004
HMS- C1215- CA08	08/9803-03	CEILING CUT-OUT LOCATION #4 (SEE MAP) MPR CENTER. CLEARANCE AIR.	H10	14.1	13:05	2,660	7/100	f/cc .001
				13.9	16:15			LOD .001
				14.0	190			UCL .004
HMS- C1215- CA09	08/9803-04	CEILING CUT-OUT LOCATION #4 (SEE MAP) MPR CENTER. CLEARANCE AIR.	H10	14.1	13:05	2,660	10/100	f/cc .002
				13.9	16:15			LOD .001
				14.0	190			UCL .006
HMS- C1215- CA10	08/9803-05	CEILING CUT-OUT LOCATION #4 (SEE MAP) MPR CENTER. CLEARANCE AIR.	H10	14.1	13:05	2,660	10/100	f/cc .002
				13.9	16:15			LOD .001
				14.0	190			UCL .006

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HAZARD MANAGEMENT SERVICES, INC.
P.O. BOX 7548
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**AIRBORNE FIBER ANALYSIS REPORT
PHASE CONTRAST MICROSCOPY**

Client : Chico Unified School District
Site : Chico Jr. High School

Page 1 of 1

HMS Job Number : C1215

Client's
Job ID : C1215 - Ceiling Cut-Outs for HVAC

Lab Report Number : 08/9804

Date Analyzed : 08/05/98

Effective Filter Area: 385 mm²

Graticule Field Area: 0.00785 mm²

Sample #	Lab #	Location/Activity/Date Collected	Rota	LPM AVG.	On/Off Total	Vol. (L)	Fibers/ Fields	Results
HMS- C1215- CA11	08/9804-01	CEILING CUT-OUT LOCATION #5 (SEE MAP) MPR EAST. CLEARANCE AIR.	H10	14.1	13:10	2,660	15/100	f/cc .003
				13.9	16:20			LOD .001
				14.0	190			UCL .009
HMS- C1215- CA12	08/9804-02	CEILING CUT-OUT LOCATION #5 (SEE MAP) MPR EAST. CLEARANCE AIR.	H10	14.1	13:10	2,660	21/100	f/cc .004
				13.9	16:20			LOD .001
				14.0	190			UCL .013
HMS- C1215- CA13	08/9804-03	CEILING CUT-OUT LOCATION #5 (SEE MAP) MPR EAST. CLEARANCE AIR.	H10	14.1	13:10	2,660	17/100	f/cc .003
				13.9	16:20			LOD .001
				14.0	190			UCL .010
HMS- C1215- CA14	08/9804-04	CEILING CUT-OUT LOCATION #5 (SEE MAP) MPR EAST. CLEARANCE AIR.	H10	14.1	13:10	2,660	10/100	f/cc .002
				13.9	16:20			LOD .001
				14.0	190			UCL .006
HMS- C1215- CA15	08/9804-05	CEILING CUT-OUT LOCATION #5 (SEE MAP) MPR EAST. CLEARANCE AIR.	H10	14.1	13:10	2,660	14/100	f/cc .003
				13.9	16:20			LOD .001
				14.0	190			UCL .008

* TEM analysis - After sample has been analyzed by PCM, turn over to Asbestech for TEM Yamate Level II.

C:\CLIENT\CHICO\C1215\089804.LAB

Analyst 

Date

8-5-98

ANALYSIS PERFORMED ACCORDING TO NIOSH 7400 "A RULES"

f/cc = Fiber per Cubic Centimeter of Air
LOD = Limit of Detection
UCL = 95% Upper Confidence Level

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☐ DATE: August 5, 1998

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SPECIAL INSTRUCTIONS:

☒ PCM NIOSH 7400 A 2 HR XX; 12 HR ____;
 24 HR ____; 48 HR ____;

☐ TEM AHERA;

Bill lab charges to: HMS, Inc. XX

☐ TEM YAMATE I OR II 2 HR ____; 12 HR ____;
 24 HR ____; 48 HR ____;

LAB: ☐ F.A.S.I ☐ ASBESTECH XX H.M.S., INC.

COLLECTED: August 5, 1998; BY: C. GERBER

JOB I.D.: C1215 - CHICO UNIFIED SCHOOL DISTRICT

JOB SITE: CHICO JR. HIGH
 CEILING CUT-OUTS FOR HVAC

Sample #	Lab #	Location/Activity/Date Collected	Rota	LPM AVG.	On/Off Total	Vol. (L)	Fibers/ Fields	Results
HMS- C1215- CA11	08/9804-01	CEILING CUT-OUT LOCATION #5 (SEE MAP) MPR EAST. CLEARANCE AIR.	H10	14.1	13:10	2,660	15/100	f/cc .003
				13.9	16:20			LOD .001
				14.0	190			UCL .009
HMS- C1215- CA12	08/9804-02	CEILING CUT-OUT LOCATION #5 (SEE MAP) MPR EAST. CLEARANCE AIR.	H10	14.1	13:10	2,660	21/100	f/cc .004
				13.9	16:20			LOD .001
				14.0	190			UCL .013
HMS- C1215- CA13	08/9804-03	CEILING CUT-OUT LOCATION #5 (SEE MAP) MPR EAST. CLEARANCE AIR.	H10	14.1	13:10	2,660	17/100	f/cc .003
				13.9	16:20			LOD .001
				14.0	190			UCL .010
HMS- C1215- CA14	08/9804-04	CEILING CUT-OUT LOCATION #5 (SEE MAP) MPR EAST. CLEARANCE AIR.	H10	14.1	13:10	2,660	10/100	f/cc .002
				13.9	16:20			LOD .001
				14.0	190			UCL .006
HMS- C1215- CA15	08/9804-05	CEILING CUT-OUT LOCATION #5 (SEE MAP) MPR EAST. CLEARANCE AIR.	H10	14.1	13:10	2,660	14/100	f/cc .003
				13.9	16:20			LOD .001
				14.0	190			UCL .008

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HAZARD MANAGEMENT SERVICES, INC.
P.O. BOX 7548
CITRUS HEIGHTS, CA 95621
(916) 723-4350

**AIRBORNE FIBER ANALYSIS REPORT
PHASE CONTRAST MICROSCOPY**

Client : Chico Unified School District
Site : Chico Jr. High School

Page 1 of 1

HMS Job Number : C1215

Lab Report Number : 08/9805

Client's
Job ID : C1215 - Ceiling Cut-Outs for HVAC

Date Analyzed : 08/05/98

Effective Filter Area: 385 mm²

Graticule Field Area: 0.00785 mm²

Sample #	Lab #	Location/Activity/Date Collected	Rota	LPM AVG.	On/Off Total	Vol. (L)	Fibers/ Fields	Results
HMS- C1215- CA16	08/9805-01	CEILING CUT-OUT LOCATION #2 (SEE MAP) OVER STAGE. CLEARANCE AIR.	H10	14.1	15:15	1,680	6/100	f/cc .002
				13.9	17:15			LOD .002
				14.0	120			UCL .006
HMS- C1215- CA17	08/9805-02	CEILING CUT-OUT LOCATION #2 (SEE MAP) OVER STAGE. CLEARANCE AIR.	H10	14.1	15:15	1,680	8/100	f/cc .002
				13.9	17:15			LOD .002
				14.0	120			UCL .008
HMS- C1215- CA18	08/9805-03	CEILING CUT-OUT LOCATION #2 (SEE MAP) OVER STAGE. CLEARANCE AIR.	H10	14.1	15:15	1,680	8/100	f/cc .002
				13.9	17:15			LOD .002
				14.0	120			UCL .008
HMS- C1215- CA19	08/9805-04	CEILING CUT-OUT LOCATION #2 (SEE MAP) OVER STAGE. CLEARANCE AIR.	H10	14.1	15:15	1,680	10/100	f/cc .003
				13.9	17:15			LOD .002
				14.0	120			UCL .010
HMS- C1215- CA20	08/9805-05	CEILING CUT-OUT LOCATION #2 (SEE MAP) OVER STAGE. CLEARANCE AIR.	H10	14.1	15:15	1,680	8/100	f/cc .002
				13.9	17:15			LOD .002
				14.0	120			UCL .008

* TEM analysis - After sample has been analyzed by PCM, turn over to Asbestech for TEM Yamate Level II.

C:\CLIENT\CHICO\C1215\089805.LAB

Analyst



Date

8-5-98

ANALYSIS PERFORMED ACCORDING TO NIOSH 7400 "A RULES"

f/cc = Fiber per Cubic Centimeter of Air
LOD = Limit of Detection
UCL = 95% Upper Confidence Level

AIRBORNE FIBER Analysis Request Form for Hazard Management Services, Inc.

P.O. BOX 576848
MODESTO, CA 95357-6848
(209) 551-2000
FAX (209) 551-2005

P.O. BOX 7548
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(916) 723-4350
FAX (916) 723-6917

P.O. BOX 25474
FRESNO, CA 93729
(209) 434-8163
FAX (209) 434-8163

☐ DATE: August 5, 1998

XX

SPECIAL INSTRUCTIONS:

☒ PCM NIOSH 7400 A 2 HR XX; 12 HR ____;
24 HR ____; 48 HR ____;

☐ TEM AHERA;

☐ TEM YAMATE I OR II 2 HR ____; 12 HR ____;
24 HR ____; 48 HR ____;

Bill lab charges to: HMS, Inc. XX

LAB: F.A.S.I ASBESTECH XX H.M.S., INC.

COLLECTED: August 5, 1998; BY: C. GERBER

JOB I.D.: C1215 - CHICO UNIFIED SCHOOL DISTRICT

JOB SITE: CHICO JR. HIGH
CEILING CUT-OUTS FOR HVAC

Sample #	Lab #	Location/Activity/Date Collected	Rota	LPM AVG.	On/Off Total	Vol. (L)	Fibers/ Fields	Results
HMS- C1215- CA16	08/9805-01	CEILING CUT-OUT LOCATION #2 (SEE MAP) OVER STAGE. CLEARANCE AIR.	H10	14.1	15:15	1,680	6/100	f/cc .002
				13.9	17:15			LOD .002
				14.0	120			UCL .006
HMS- C1215- CA17	08/9805-02	CEILING CUT-OUT LOCATION #2 (SEE MAP) OVER STAGE. CLEARANCE AIR.	H10	14.1	15:15	1,680	8/100	f/cc .002
				13.9	17:15			LOD .002
				14.0	120			UCL .008
HMS- C1215- CA18	08/9805-03	CEILING CUT-OUT LOCATION #2 (SEE MAP) OVER STAGE. CLEARANCE AIR.	H10	14.1	15:15	1,680	8/100	f/cc .002
				13.9	17:15			LOD .002
				14.0	120			UCL .008
HMS- C1215- CA19	08/9805-04	CEILING CUT-OUT LOCATION #2 (SEE MAP) OVER STAGE. CLEARANCE AIR.	H10	14.1	15:15	1,680	10/100	f/cc .003
				13.9	17:15			LOD .002
				14.0	120			UCL .010
HMS- C1215- CA20	08/9805-05	CEILING CUT-OUT LOCATION #2 (SEE MAP) OVER STAGE. CLEARANCE AIR.	H10	14.1	15:15	1,680	8/100	f/cc .002
				13.9	17:15			LOD .002
				14.0	120			UCL .008

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HAZARD MANAGEMENT SERVICES, INC.
P.O. BOX 7548
CITRUS HEIGHTS, CA 95621
(916) 723-4350

**AIRBORNE FIBER ANALYSIS REPORT
PHASE CONTRAST MICROSCOPY**

Client : Chico Unified School District
Site : Chico Jr. High School

Page 1 of 1

HMS Job Number : C1215

Client's
Job ID : C1215 - Pipe "Wrap & Cut" Removal of Old System

Lab Report Number : 08/9806

Date Analyzed : 08/06/98

Effective Filter Area: 385 mm²

Graticule Field Area: 0.00785 mm²

Sample #	Lab #	Location/Activity/Date Collected	Rota	LPM AVG.	On/Off Total	Vol. (L)	Fibers/ Fields	Results
HMS- C1215- CA21	08/9806-01	PIPE "WRAP & CUT" LOCATION #1 (SEE MAP) NORTH STAGE - SIDE ROOM - CLEARANCE AIR.	H10	14.1	16:25	1,470	5/100	f/cc <.002
				13.9	18:10			LOD .002
				14.0	105			UCL .006
HMS- C1215- CA22	08/9806-02	PIPE "WRAP & CUT" LOCATION #1 (SEE MAP) NORTH STAGE - SIDE ROOM - CLEARANCE AIR.	H10	14.1	16:25	1,470	4/100	f/cc <.002
				13.9	18:10			LOD .002
				14.0	105			UCL .006
HMS- C1215- CA23	08/9806-03	PIPE "WRAP & CUT" LOCATION #1 (SEE MAP) NORTH STAGE - SIDE ROOM - CLEARANCE AIR.	H10	14.1	16:25	1,470	6/100	f/cc .002
				13.9	18:10			LOD .002
				14.0	105			UCL .007
HMS- C1215- CA24	08/9806-04	PIPE "WRAP & CUT" LOCATION #1 (SEE MAP) NORTH STAGE - SIDE ROOM - CLEARANCE AIR.	H10	14.1	16:25	1,470	4/100	f/cc <.002
				13.9	18:10			LOD .002
				14.0	105			UCL .006
HMS- C1215- CA25	08/9806-05	PIPE "WRAP & CUT" LOCATION #1 (SEE MAP) NORTH STAGE - SIDE ROOM - CLEARANCE AIR.	H10	14.1	16:25	1,470	4/100	f/cc <.002
				13.9	18:10			LOD .002
				14.0	105			UCL .006

* TEM analysis - After sample has been analyzed by PCM, turn over to Asbestech for TEM Yamate Level II.

C:\CLIENT\CHICO\IC1215\089806LAB

Analyst 

Date

8-6-98

ANALYSIS PERFORMED ACCORDING TO NIOSH 7400 "A RULES"

f/cc = Fiber per Cubic Centimeter of Air
LOD = Limit of Detection
UCL = 95% Upper Confidence Level

AIRBORNE FIBER Analysis Request Form for Hazard Management Services, Inc.

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FAX (916) 723-6917

P.O. BOX 25474
FRESNO, CA 93729
(209) 434-8163
FAX (209) 434-8163

☐ DATE: August 6, 1998

XX

SPECIAL INSTRUCTIONS:

☒ PCM NIOSH 7400 A 2 HR XX; 12 HR ____;
24 HR ____; 48 HR ____;

☐ TEM AHERA;

☐ TEM YAMATE I OR II 2 HR ____; 12 HR ____;
24 HR ____; 48 HR ____;

Bill lab charges to: HMS, Inc. XX

LAB: F.A.S.I ASBESTECH XX H.M.S., INC.

COLLECTED: August 6, 1998; BY: C. GERBER

JOB I.D.: C1215 - CHICO UNIFIED SCHOOL DISTRICT

JOB SITE: CHICO JR. HIGH

PIPE "WRAP & CUT" REMOVAL OF OLD SYSTEM

Sample #	Lab #	Location/Activity/Date Collected	Rota	LPM AVG.	On/Off Total	Vol. (L)	Fibers/ Fields	Results
HMS- C1215- CA21	08/9806-01	PIPE "WRAP & CUT" LOCATION #1 (SEE MAP) NORTH STAGE - SIDE ROOM - CLEARANCE AIR.	H10	14.1	16:25	1,470	5/100	f/cc <.002
				13.9	18:10			LOD .002
				14.0	105			UCL .006
HMS- C1215- CA22	08/9806-02	PIPE "WRAP & CUT" LOCATION #1 (SEE MAP) NORTH STAGE - SIDE ROOM - CLEARANCE AIR.	H10	14.1	16:25	1,470	4/100	f/cc <.002
				13.9	18:10			LOD .002
				14.0	105			UCL .006
HMS- C1215- CA23	08/9806-03	PIPE "WRAP & CUT" LOCATION #1 (SEE MAP) NORTH STAGE - SIDE ROOM - CLEARANCE AIR.	H10	14.1	16:25	1,470	6/100	f/cc .002
				13.9	18:10			LOD .002
				14.0	105			UCL .007
HMS- C1215- CA24	08/9806-04	PIPE "WRAP & CUT" LOCATION #1 (SEE MAP) NORTH STAGE - SIDE ROOM - CLEARANCE AIR.	H10	14.1	16:25	1,470	4/100	f/cc <.002
				13.9	18:10			LOD .002
				14.0	105			UCL .006
HMS- C1215- CA25	08/9806-05	PIPE "WRAP & CUT" LOCATION #1 (SEE MAP) NORTH STAGE - SIDE ROOM - CLEARANCE AIR.	H10	14.1	16:25	1,470	4/100	f/cc <.002
				13.9	18:10			LOD .002
				14.0	105			UCL .006

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HAZARD MANAGEMENT SERVICES, INC.
P.O. BOX 7548
CITRUS HEIGHTS, CA 95621
(916) 723-4350

**AIRBORNE FIBER ANALYSIS REPORT
PHASE CONTRAST MICROSCOPY**

Client : Chico Unified School District
Site : Chico Jr. High School

Page 1 of 1

HMS Job Number : C1215

Lab Report Number : 08/9807

Client's
Job ID : C1215 - Ceiling Cut-Outs for HVAC

Date Analyzed : 08/06/98

Effective Filter Area: 385 mm²

Graticule Field Area: 0.00785 mm²

Sample #	Lab #	Location/Activity/Date Collected	Rota	LPM AVG.	On/Off Total	Vol. (L)	Fibers/ Fields	Results
HMS- C1215- CA26	08/9807-01	CEILING CUT-OUT LOCATION #6 (SEE MAP) STAFF DINING. CLEARANCE AIR.	H10	14.1	08:55	2,100	22/100	f/cc .005
				13.9	11:25			LOD .001
				14.0	150			UCL .016
HMS- C1215- CA27	08/9807-02	CEILING CUT-OUT LOCATION #6 (SEE MAP) STAFF DINING. CLEARANCE AIR.	H10	14.1	08:55	2,100	18/100	f/cc .004
				13.9	11:25			LOD .001
				14.0	150			UCL .014
HMS- C1215- CA28	08/9807-03	CEILING CUT-OUT LOCATION #6 (SEE MAP) STAFF DINING. CLEARANCE AIR.	H10	14.1	08:55	2,100	14/100	f/cc .003
				13.9	11:25			LOD .001
				14.0	150			UCL .011
HMS- C1215- CA29	08/9807-04	CEILING CUT-OUT LOCATION #6 (SEE MAP) STAFF DINING. CLEARANCE AIR.	H10	14.1	08:55	2,100	10/100	f/cc .002
				13.9	11:25			LOD .001
				14.0	150			UCL .008
HMS- C1215- CA30	08/9807-05	CEILING CUT-OUT LOCATION #6 (SEE MAP) STAFF DINING. CLEARANCE AIR.	H10	14.1	08:55	2,100	16/100	f/cc .004
				13.9	11:25			LOD .001
				14.0	150			UCL .012

* TEM analysis - After sample has been analyzed by PCM, turn over to Asbestech for TEM Yamate Level II.

C:\CLIENT\CHICO\CA1215\089807.LAB

Analyst 

Date 8-6-98

ANALYSIS PERFORMED ACCORDING TO NIOSH 7400 "A RULES"

f/cc = Fiber per Cubic Centimeter of Air

LOD = Limit of Detection

UCL = 95% Upper Confidence Level

AIRBORNE FIBER Analysis Request Form for Hazard Management Services, Inc.

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(209) 551-2000
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FAX (916) 723-6917

P.O. BOX 25474
FRESNO, CA 93729
(209) 434-8163
FAX (209) 434-8163

☐ DATE: August 6, 1998

XX

SPECIAL INSTRUCTIONS:

☒ PCM NIOSH 7400 A 2 HR XX; 12 HR ____;
24 HR ____; 48 HR ____;

☐ TEM AHERA;

☐ TEM YAMATE I OR II 2 HR ____; 12 HR ____;
24 HR ____; 48 HR ____;

Bill lab charges to: HMS, Inc. XX

LAB: ☐ F.A.S.I ☐ ASBESTECH XX H.M.S., INC.

COLLECTED: August 6, 1998; BY: C. GERBER

JOB I.D.: C1215 - CHICO UNIFIED SCHOOL DISTRICT

JOB SITE: CHICO JR. HIGH
CEILING CUT-OUTS FOR HVAC

Sample #	Lab #	Location/Activity/Date Collected	Rota	LPM AVG.	On/Off Total	Vol. (L)	Fibers/ Fields	Results
HMS- C1215- CA26	08/9807-01	CEILING CUT-OUT LOCATION #6 (SEE MAP) STAFF DINING. CLEARANCE AIR.	H10	14.1	08:55	2,100	22/100	f/cc .005
				13.9	11:25			LOD .001
				14.0	150			UCL .016
HMS- C1215- CA27	08/9807-02	CEILING CUT-OUT LOCATION #6 (SEE MAP) STAFF DINING. CLEARANCE AIR.	H10	14.1	08:55	2,100	18/100	f/cc .004
				13.9	11:25			LOD .001
				14.0	150			UCL .014
HMS- C1215- CA28	08/9807-03	CEILING CUT-OUT LOCATION #6 (SEE MAP) STAFF DINING. CLEARANCE AIR.	H10	14.1	08:55	2,100	14/100	f/cc .003
				13.9	11:25			LOD .001
				14.0	150			UCL .011
HMS- C1215- CA29	08/9807-04	CEILING CUT-OUT LOCATION #6 (SEE MAP) STAFF DINING. CLEARANCE AIR.	H10	14.1	08:55	2,100	10/100	f/cc .002
				13.9	11:25			LOD .001
				14.0	150			UCL .008
HMS- C1215- CA30	08/9807-05	CEILING CUT-OUT LOCATION #6 (SEE MAP) STAFF DINING. CLEARANCE AIR.	H10	14.1	08:55	2,100	16/100	f/cc .004
				13.9	11:25			LOD .001
				14.0	150			UCL .012

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HAZARD MANAGEMENT SERVICES, INC.
P.O. BOX 7548
CITRUS HEIGHTS, CA 95621
(916) 723-4350

**AIRBORNE FIBER ANALYSIS REPORT
PHASE CONTRAST MICROSCOPY**

Client : Chico Unified School District
Site : Chico Jr. High School

Page 1 of 1

HMS Job Number : C1215

Lab Report Number : 08/9808

Client's
Job ID : C1215 - Ceiling Cut-Outs for HVAC

Date Analyzed : 08/06/98

Effective Filter Area: 385 mm²

Graticule Field Area: 0.00785 mm²

Sample #	Lab #	Location/Activity Date Collected	Rota	LPM AVG.	On/Off Total Min	Vol. (Liters)	Fibers/ Fields	Results
HMS- C1215- CA31	08/9808-01	CEILING CUT-OUT LOCATION #1 (SEE MAP) CONFERENCE ROOM. CLEARANCE AIR.	H10	14.1	09:05	2,030	18/100	f/cc .004
				13.9	11:30			LOD .001
				14.0	145			UCL .014
HMS- C1215- CA32	08/9808-02	CEILING CUT-OUT LOCATION #1 (SEE MAP) CONFERENCE ROOM. CLEARANCE AIR.	H10	14.1	09:05	2,030	16/100	f/cc .004
				13.9	11:30			LOD .001
				14.0	145			UCL .013
HMS- C1215- CA33	08/9808-03	CEILING CUT-OUT LOCATION #1 (SEE MAP) CONFERENCE ROOM. CLEARANCE AIR.	H10	14.1	09:05	2,030	11/100	f/cc .003
				13.9	11:30			LOD .001
				14.0	145			UCL .009
HMS- C1215- CA34	08/9808-04	CEILING CUT-OUT LOCATION #1 (SEE MAP) CONFERENCE ROOM. CLEARANCE AIR.	H10	14.1	09:05	2,030	22/100	f/cc .005
				13.9	11:30			LOD .001
				14.0	145			UCL .017
HMS- C1215- CA35	08/9808-05	CEILING CUT-OUT LOCATION #1 (SEE MAP) CONFERENCE ROOM. CLEARANCE AIR.	H10	14.1	09:05	2,030	18/100	f/cc .004
				13.9	11:30			LOD .001
				14.0	145			UCL .014

* TEM analysis - After sample has been analyzed by PCM, turn over to Asbestech for TEM Yamate Level II.

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Analyst Chen

Date 8-6-98

ANALYSIS PERFORMED ACCORDING TO NIOSH 7400 "A RULES"

f/cc = Fiber per Cubic Centimeter of Air
LOD = Limit of Detection
UCL = 95% Upper Confidence Level

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(209) 434-8163
FAX (209) 434-8163

DATE: August 6, 1998

XX

SPECIAL INSTRUCTIONS:

☒ PCM NIOSH 7400 A 2 HR XX; 12 HR___;
24 HR___; 48 HR___;

☐ TEM AHERA;

☐ TEM YAMATE I OR II 2 HR___; 12 HR___;
24 HR___; 48 HR___;

Bill lab charges to: HMS, Inc. XX

LAB: F.A.S.I ASBESTECH XX H.M.S., INC.

COLLECTED: August 6, 1998; BY: C. GERBER

JOB I.D.: C1215 - CHICO UNIFIED SCHOOL DISTRICT

JOB SITE: CHICO JR. HIGH
CEILING CUT-OUTS FOR HVAC

Sample #	Lab #	Location/Activity/Date Collected	Rota	LPM AVG.	On/Off Total	Vol. (L)	Fibers/ Fields	Results
HMS- C1215- CA31	08/9808-01	CEILING CUT-OUT LOCATION #1 (SEE MAP) CONFERENCE ROOM. CLEARANCE AIR.	H10	14.1	09:05	2,030	18/100	f/cc .004
				13.9	11:30			LOD .001
				14.0	145			UCL .014
HMS- C1215- CA32	08/9808-02	CEILING CUT-OUT LOCATION #1 (SEE MAP) CONFERENCE ROOM. CLEARANCE AIR.	H10	14.1	09:05	2,030	16/100	f/cc .004
				13.9	11:30			L OD .001
				14.0	145			UCL .013
HMS- C1215- CA33	08/9808-03	CEILING CUT-OUT LOCATION #1 (SEE MAP) CONFERENCE ROOM. CLEARANCE AIR.	H10	14.1	09:05	2,030	11/100	f/cc .003
				13.9	11:30			LOD .001
				14.0	145			UCL .009
HMS- C1215- CA34	08/9808-04	CEILING CUT-OUT LOCATION #1 (SEE MAP) CONFERENCE ROOM. CLEARANCE AIR.	H10	14.1	09:05	2,030	22/100	f/cc .005
				13.9	11:30			L OD .001
				14.0	145			UCL .017
HMS- C1215- CA35	08/9808-05	CEILING CUT-OUT LOCATION #1 (SEE MAP) CONFERENCE ROOM. CLEARANCE AIR.	H10	14.1	09:05	2,030	18/100	f/cc .004
				13.9	11:30			LOD .001
				14.0	145			UCL .014

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