

AHERA ASBESTOS MANAGEMENT PLAN AMENDMENT

LEA: Kim School District R-88

SCHOOL: Kim School K-12

Spence-Geiger Associates, Inc. (SGA) recently performed a supplemental quality control re-inspection of the above school campus. The inspection date, name and accreditation of the SGA inspector performing this service is given below. The purpose of the re-inspection (which does not substitute for the statutory triennial re-inspection) was to review the original SGA-developed AHERA management plan with respect to conditions **as they existed at the time of the original inspection**. In particular, certain previously non-suspect materials, such as drywall and hard cementitious plasters, were added to the scope of the original inspection.

After review of the re-inspection data, this Management Plan Amendment has been prepared. The amendment date, name and accreditation of the SGA management planner are given below. The amendment consists of this document plus the following attached materials:

- CDH "School Buildings at Each Location" list - Changes as a result of this re-inspection are circled.
- Asbestos Sample Log Sheet - Indicates sample number, date, location (sample area), material (homogeneous area), and result for each sample collected during the re-inspection. All sampling was performed per original management plan protocols in a random manner.
- Building Diagram - If available, original diagram updated to further illustrate new sample locations.
- Bulk Sample Reports - Per EPA and CDH, refer to "Total Asbestos" column for sample result; sample is Non-ACBM if $\leq 1\%$ asbestos.
- Assessment Sheet - A separate sheet is attached for each newly identified homogeneous area of suspect material, along with mark-ups of any changes to previously identified areas.
- Other - _____

All Amendment documents should be reviewed and then inserted into all copies of the AHERA Management Plan for this school campus. It is important to note that these documents will **not** reflect changes in building status, such as abatement, remodel and/or construction since the creation of the original Plan. The LEA must continually update the Plan to reflect any such changes. The LEA must also comply with other AHERA recordkeeping, statutory surveillance and re-inspection requirements, etc. as set forth in 40 CFR 763.

In the original Plan, the SGA "Inventory of ACM by Building" was provided as a convenient summary of asbestos materials. In order to update this inventory, the following listing of changes to the summary as a result of this re-inspection is provided. Note that this does not replace the original summary, rather it serves to supplement it:

BUILDING: High School

FRIABLE ACBM:

NON-FRIABLE ACBM:

NON-SUSPECT MATERIAL: Two (2) types of pressed wood ceiling tile - 1 x 1 & 4 x 8. Per EPA, these now are non-suspect.

NOTES: Post-plan abatement has occurred.

BUILDING: Elementary School

FRIABLE ACBM:

NON-FRIABLE ACBM: Flooring includes mastic.

NON-SUSPECT MATERIAL: Pressed wood 1 x 1 ceiling tile. Per EPA, this is now non-suspect.

NOTES: Post-plan abatement has occurred.

BUILDING: Gym/Cafeteria

FRIABLE ACBM:

NON-FRIABLE ACBM: Add cement asbestos board (CAB); Flooring includes mastic.

NON-SUSPECT MATERIAL:

NOTES: Post-plan abatement has occurred.

BUILDING: Activity Center

FRIABLE ACBM:

NON-FRIABLE ACBM: Floor tile includes mastic.

NON-SUSPECT MATERIAL: Pressed wood 4 x 8 ceiling tile. Per EPA, this is now non-suspect.

NOTES: Post-plan abatement has occurred.

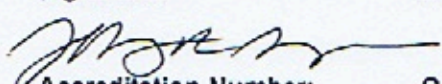
BUILDING: Vocational Shop/Agricultural Building

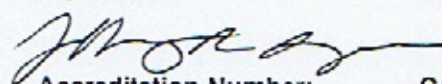
FRIABLE ACBM:

NON-FRIABLE ACBM: Floor tile includes mastic.

NON-SUSPECT MATERIAL:

NOTES:

INSPECTION, SAMPLING ASSESSMENT BY:		
Type Name:	Signature:	Date:
Jeffrey R. Geiger		12-19-91
State of Accreditation:	Accreditation Number:	Course Provider:
Colorado	387-48-0681	PSI

MANAGEMENT PLANNING BY:		
Type Name:	Signature:	Date:
Jeffrey R. Geiger		01-20-92
State of Accreditation:	Accreditation Number:	Course Provider:
Colorado	387-48-0681	PSI

CLIENT : Kim School District R-88

BUILDING(S) : Kim School K-12

SAMPLE	DATE	FIR	LOCATION	MATERIAL	ACM
			GYM/CAFETERIA (continued)		
LA0129	07-22-88	1st	Gym - Center	Spray Insulation	-
LA0130	07-22-88	1st	Gym - Northwest Corner	Spray Insulation	-
LA0131	07-22-88	1st	Gym - South	Spray Insulation	-
LA0132	07-22-88	1st	Gym - North	Spray Insulation	-
LA0133	07-22-88	1st	Gym - Northeast Corner	Spray Insulation	-
LA0134	07-22-88	1st	Gym - East	Spray Insulation	-
			ACTIVITY CENTER		
LA0135	07-22-88	1st	Hall - Northeast Corner	1x1 Ceiling Tile	-
LA0136	07-22-88	1st	Hall - Southwest Corner	1x1 Ceiling Tile	-
LA0137	07-22-88	1st	Hall - Center	1x1 Ceiling Tile	-
LA0138	07-22-88	1st	Kitchen - West	Sheet Vinyl Flooring	-
LA0139	07-22-88	1st	Dining Room - East	Sheet Vinyl Flooring	-
LA0140	07-22-88	1st	Kitchen Closet	Stored Sheet Vinyl	-
LA0141	07-22-88	1st	Dining Room - Southwest	2x4 Ceiling Tile	-
LA0142	07-22-88	1st	Dining Room - Center	2x4 Ceiling Tile	-
LA0143	07-22-88	1st	Dining Room - Northeast	2x4 Ceiling Tile	-
			HIGH SCHOOL		
LA0144	12-19-91	1	LOCKER STORAGE	STUCCO	-
LA0145	12-19-91	1	AUDITORIUM - FRONT STAGE	STUCCO	-
LA0146	12-19-91	1	AUDITORIUM - REAR STAGE	STUCCO	-
LA0147	12-19-91	B	BOILER ROOM	DRYWALL	-
LA0148	12-19-91	1	COMPUTER ROOM	DRYWALL	TR

ASBESTOS COMMENT: (+) = POSITIVE, (-) = NONE DETECTED, (TR) = TRACE



ASBESTOS SAMPLE LOG

CLIENT KEM SO Rg 88

BUILDING _____

COLLECTED BY: _____

OF _____

SAMPLE	DATE	FLR	ROOM	MATERIAL	REMARKS
LA0149	12-19-91	1	VO AG OFFICE	DRYWALL - W. WALL	-
			ACTIVITY CENTER		
LA0150	12-19-91	B	S.W. STORAGE	DRYWALL	-
LA0151	12-19-91	1	MEN'S R.R.	DRYWALL	-
LA0152	12-19-91	1	N.E. HALL	DRYWALL	-
LA0153	12-19-91	1	ENTRANCE STORAGE	STUCCO	-
LA0154	12-19-91	B	S.E. STAIR	STUCCO	-
			ELEMENTARY		
LA0155	12-19-91	1	S.E. CR 8	DRYWALL	-
LA0156	12-19-91	1	JANITOR CLOSET	DRYWALL	-
LA0157	12-19-91	1	N.E. CR 1	STUCCO	TR
LA0158	12-19-91	1	MAIN ENTRANCE	STUCCO	TR
			GYM/CAFETERIA		
LA0159	12-19-91	1	CAFETERIA JANITOR	DRYWALL	-
LA0160	12-19-91	1	GYM JANITOR	DRYWALL	-
			GARAGE		
LA0161	12-19-91	1	N.E. CORNER	DRYWALL	-

BUILDING RECORD

1-1-81

Kim High School

Building #1

Completed in 1940- Native Stone outside walls, wood floors and roof.

Electricity, water sewage, central heating, telephone, and carpet added.

Gross floor area 10,000 sq. ft.

Insurance Estimate of Replacement Cost- \$439,520.00

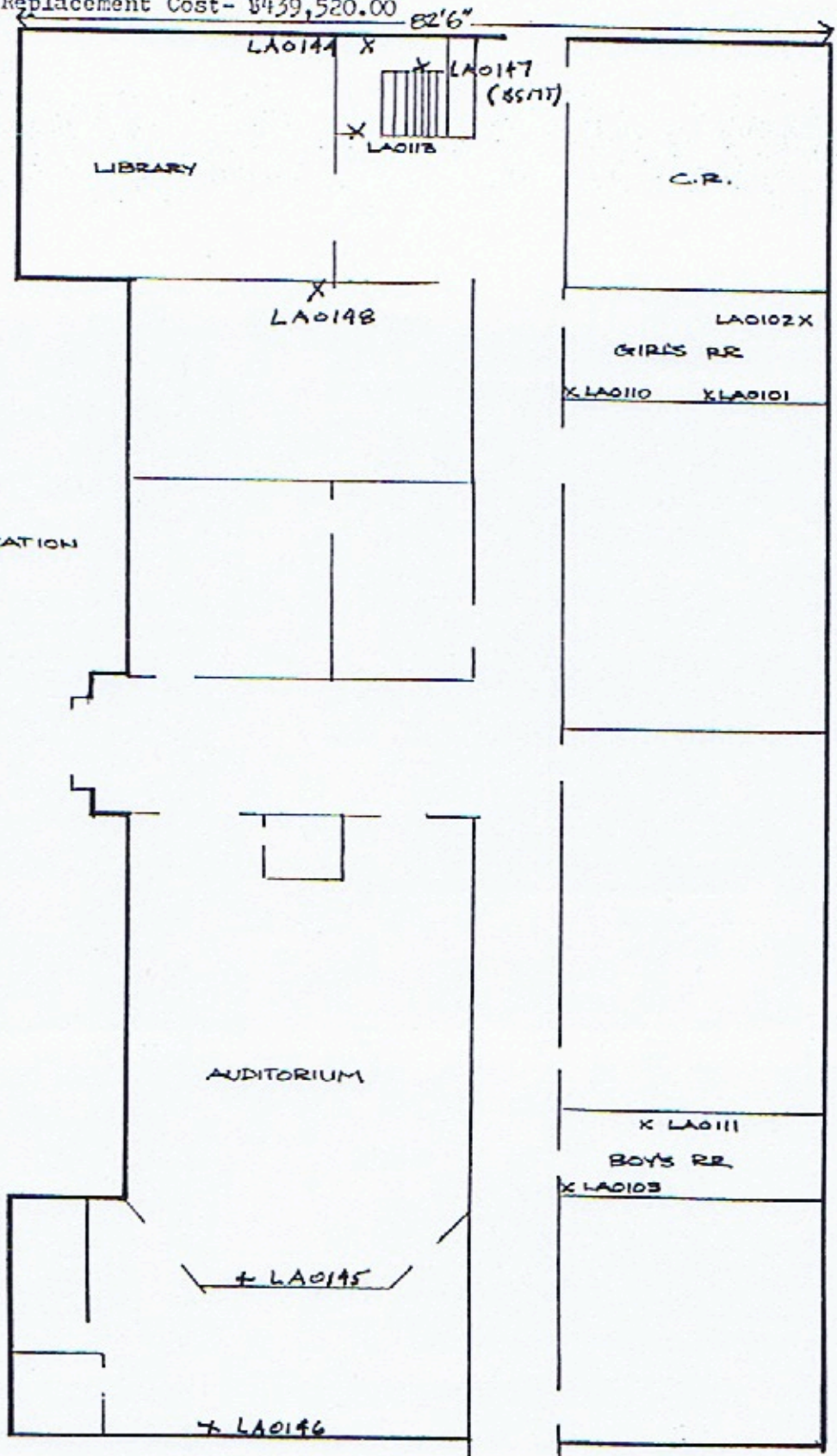
82-Added new windows,
insulation, sheet
rock- 19,412.68

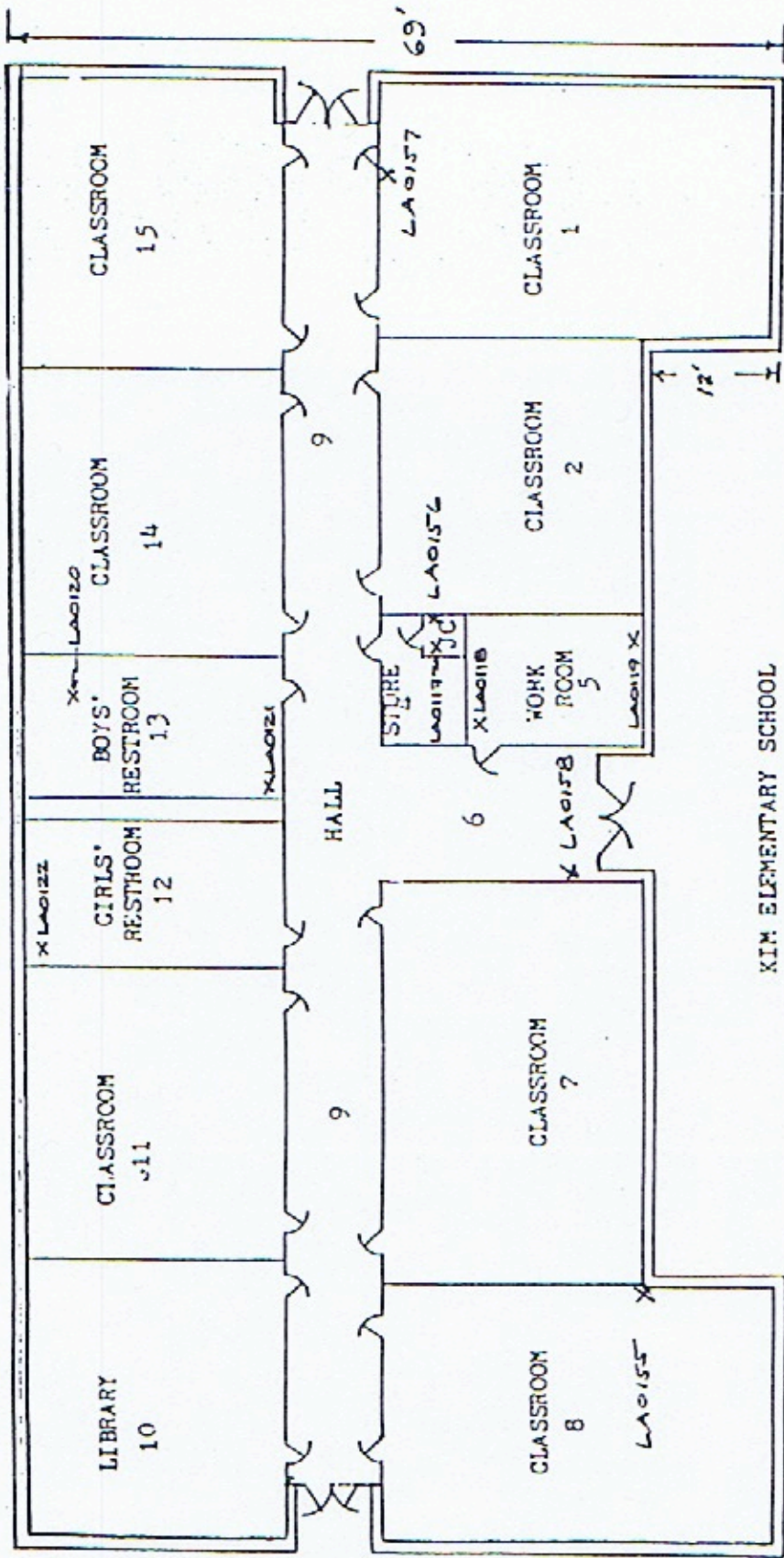
carpet-library
office-1,648.00

Total Value-
\$460,580.68

* LA011Z TAKEN FROM
CEILING TILE STORAGE

X-DENOTES SAMPLE LOCATION





KIM ELEMENTARY SCHOOL

LAS ANIMAS SCHOOL DISTRICT R - 88

FLOOR PLAN

X-DENOTES SAMPLE LOCATION

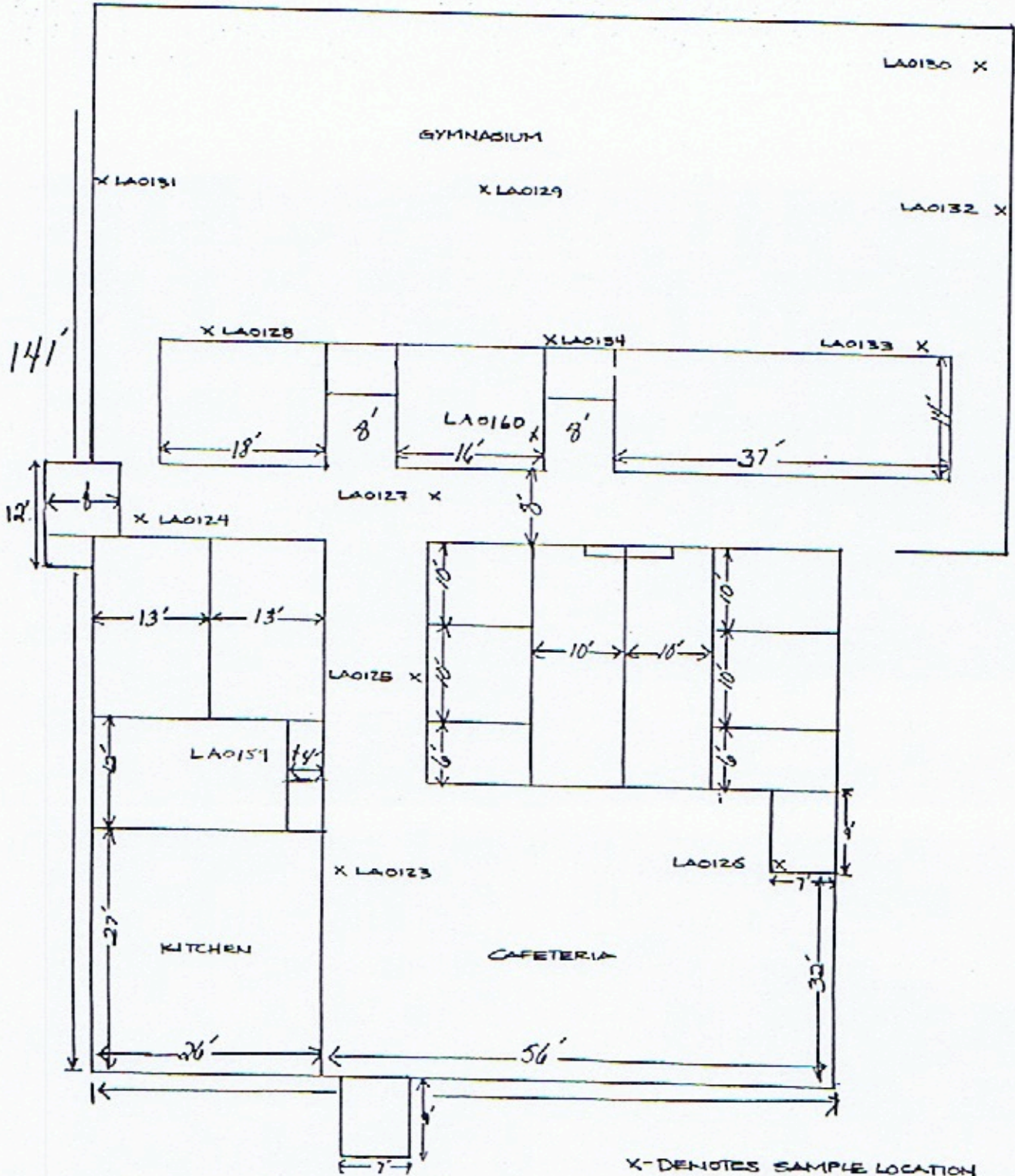


Building Record
1-1-81

Gym and Cafeteria
Building #4

Cinderblock construction, brick veneer, constructed in 1972

Insurance estimate of replacement cost- \$569,600.00



Building Record
1-1-81

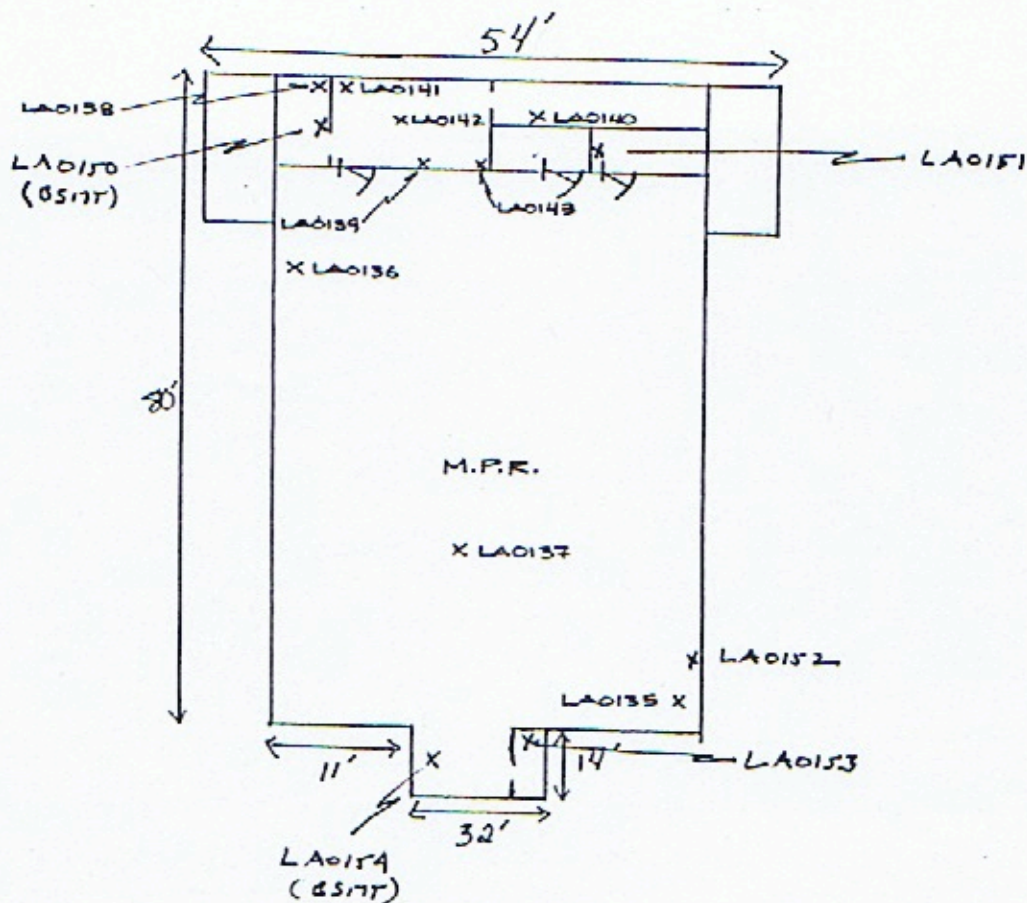
Kim Gymnasium- Activity Building
Building #5

Completed in the 1930's- Native stone outside walls, full basement (closed off now), wood floor, wood roof- chuted with corrugated metal.

Gross floor area 12,800 sq. ft.

Insurance estimate of replacement value \$92,500.00

X- DENOTES SAMPLE LOCATION



CLIENT : KEN REBB
 BUILDING : HIGHT SCHOOL
 FUNCTIONAL SPACE(S) : ENTIRE BLDG

I. MATERIAL DESCRIPTION (LIST):

- A. Material location: WALLS
 B. Material amount: 26240 S.F.
 C. Material type: STUCCO
 D. Thermal: Surfacing: Miscellaneous:
 E. Friable: Nonfriable:
 F. Sample Codes: #1 LA0144 #2 LA0145 #3 LA0146
 #4 #5 #6 #7
 G. Assumed: Positive: Trace: Negative:
 Prior Positive:

II. ASSESSMENT FACTORS FOR ALL FRIABLE AND THERMAL ACM (CHOOSE ONE OR MORE)

A. Existing significant damage or damage

- | SD | D | ND | |
|--------------------------|--------------------------|--------------------------|------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 1. Flaking |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 2. Blistering |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 3. Water damage |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 4. Impact damage |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 5. Air erosion |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 6. Torn jacket |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 7. Other (list) |

B. Potential for significant damage or damage

- | SD | D | ND | |
|--------------------------|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 1. Accessibility - general public |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 2. Accessibility - employees and contractors |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 3. Air movement and plenums |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 4. Vibration |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 5. Other (list) |

III. AHERA CATEGORY FOR ALL FRIABLE AND THERMAL ACM (CHOOSE ONE)

- A. Damaged or significantly damaged thermal system insulation ACM
 B. Damaged friable surfacing ACM
 C. Significantly damaged friable surfacing ACM
 D. Damaged or significantly damaged friable misc. ACM
 E. ACM with potential for damage
 F. ACM with potential for significant damage
 G. Any remaining friable ACM or friable suspected ACM

CLIENT : KEM SD RE 88
 BUILDING : HIGH SCHOOL
 FUNCTIONAL SPACE(S) : BOILER ROOM, HALLS, COMPUTER RM, OFFICE, LIBRARY

I. MATERIAL DESCRIPTION (LIST):

- A. Material location: WALLS + CEILING
 B. Material amount: 6656 S.F.
 C. Material type: DAYWALL
 D. Thermal: [] Surfacing: [] Miscellaneous: [X]
 E. Friable: [] Nonfriable: [X]
 F. Sample Codes: #1 LA0147 #2 LA0148 #3
 #4 #5 #6 #7
 G. Assumed: [] Positive: [] Trace: [X] Negative: []
 Prior Positive: []

II. ASSESSMENT FACTORS FOR ALL FRIABLE AND THERMAL ACM (CHOOSE ONE OR MORE)

A. Existing significant damage or damage

SD	D	ND	
[]	[]	[]	1. Flaking
[]	[]	[]	2. Blistering
[]	[]	[]	3. Water damage
[]	[]	[]	4. Impact damage
[]	[]	[]	5. Air erosion
[]	[]	[]	6. Torn jacket
[]	[]	[]	7. Other (list)

B. Potential for significant damage or damage

SD	D	ND	
[]	[]	[]	1. Accessibility - general public
[]	[]	[]	2. Accessibility - employees and contractors
[]	[]	[]	3. Air movement and plenums
[]	[]	[]	4. Vibration
[]	[]	[]	5. Other (list)

III. AHERA CATEGORY FOR ALL FRIABLE AND THERMAL ACM (CHOOSE ONE)

- [] A. Damaged or significantly damaged thermal system insulation ACM
 [] B. Damaged friable surfacing ACM
 [] C. Significantly damaged friable surfacing ACM
 [] D. Damaged or significantly damaged friable misc. ACM
 [] E. ACM with potential for damage
 [] F. ACM with potential for significant damage
 [] G. Any remaining friable ACM or friable suspected ACM

CLIENT : KIM SD RESS
 BUILDING : VOAG
 FUNCTIONAL SPACE(S) : OFFICE, CLASSROOM +
RESTROOM

I. MATERIAL DESCRIPTION (LIST):

- A. Material location: WALLS
- B. Material amount: 800 SF
- C. Material type: DRYWALL (UNDER PAINTING)
- D. Thermal: [] Surfacing: [] Miscellaneous: [X]
- E. Friable: [] Nonfriable: [X]
- F. Sample Codes: #1 LA0149 #2 #3
- #4 #5 #6 #7
- G. Assumed: [] Positive: [] Trace: [] Negative: [X]
- Prior Positive: []

II. ASSESSMENT FACTORS FOR ALL FRIABLE AND THERMAL ACM (CHOOSE ONE OR MORE)

A. Existing significant damage or damage

SD	D	ND	
[]	[]	[]	1. Flaking
[]	[]	[]	2. Blistering
[]	[]	[]	3. Water damage
[]	[]	[]	4. Impact damage
[]	[]	[]	5. Air erosion
[]	[]	[]	6. Torn jacket
[]	[]	[]	7. Other (list)

B. Potential for significant damage or damage

SD	D	ND	
[]	[]	[]	1. Accessibility - general public
[]	[]	[]	2. Accessibility - employees and contractors
[]	[]	[]	3. Air movement and plenums
[]	[]	[]	4. Vibration
[]	[]	[]	5. Other (list)

III. AHERA CATEGORY FOR ALL FRIABLE AND THERMAL ACM (CHOOSE ONE)

- [] A. Damaged or significantly damaged thermal system insulation ACM
- [] B. Damaged friable surfacing ACM
- [] C. Significantly damaged friable surfacing ACM
- [] D. Damaged or significantly damaged friable misc. ACM
- [] E. ACM with potential for damage
- [] F. ACM with potential for significant damage
- [] G. Any remaining friable ACM or friable suspected ACM

CLIENT : KIM SD REBB
 BUILDING : ACTIVITY CENTER
 FUNCTIONAL SPACE(S) : ENTIRE BLDG

I. MATERIAL DESCRIPTION (LIST):

- A. Material location: WALLS + CEILING
 B. Material amount: 800 SF
 C. Material type: DRYWALL
 D. Thermal: [] Surfacing: [] Miscellaneous: [X]
 E. Friable: [] Nonfriable: [X]
 F. Sample Codes: #1 LA0150 #2 LA0151 #3 LA0152
 #4 #5 #6 #7
 G. Assumed: [] Positive: [] Trace: [] Negative: [X]
 Prior Positive: []

II. ASSESSMENT FACTORS FOR ALL FRIABLE AND THERMAL ACM (CHOOSE ONE OR MORE)

A. Existing significant damage or damage

- | SD | D | ND | |
|-----|-----|-----|------------------|
| [] | [] | [] | 1. Flaking |
| [] | [] | [] | 2. Blistering |
| [] | [] | [] | 3. Water damage |
| [] | [] | [] | 4. Impact damage |
| [] | [] | [] | 5. Air erosion |
| [] | [] | [] | 6. Torn jacket |
| [] | [] | [] | 7. Other (list) |

B. Potential for significant damage or damage

- | SD | D | ND | |
|-----|-----|-----|--|
| [] | [] | [] | 1. Accessibility - general public |
| [] | [] | [] | 2. Accessibility - employees and contractors |
| [] | [] | [] | 3. Air movement and plenums |
| [] | [] | [] | 4. Vibration |
| [] | [] | [] | 5. Other (list) |

III. AHERA CATEGORY FOR ALL FRIABLE AND THERMAL ACM (CHOOSE ONE)

- [] A. Damaged or significantly damaged thermal system insulation ACM
 [] B. Damaged friable surfacing ACM
 [] C. Significantly damaged friable surfacing ACM
 [] D. Damaged or significantly damaged friable misc. ACM
 [] E. ACM with potential for damage
 [] F. ACM with potential for significant damage
 [] G. Any remaining friable ACM or friable suspected ACM

CLIENT : KEN SD R488
 BUILDING : ACTIVITY CENTER
 FUNCTIONAL SPACE(S) : STORAGE CLOSET +
ENTIRE BASEMENT

I. MATERIAL DESCRIPTION (LIST):

- A. Material location: WALLS
 B. Material amount: 65 S.F. + 3000 = 3065 SF
 C. Material type: STUCCO
 D. Thermal: [] Surfacing: [X] Miscellaneous: []
 E. Friable: [] Nonfriable: [X]
 F. Sample Codes: #1 LA0153 #2 LA0154 #3
 #4 #5 #6 #7
 G. Assumed: [] Positive: [] Trace: [] Negative: [X]
 Prior Positive: []

II. ASSESSMENT FACTORS FOR ALL FRIABLE AND THERMAL ACM (CHOOSE ONE OR MORE)

A. Existing significant damage or damage

- | SD | D | ND | |
|-----|-----|-----|------------------|
| [] | [] | [] | 1. Flaking |
| [] | [] | [] | 2. Blistering |
| [] | [] | [] | 3. Water damage |
| [] | [] | [] | 4. Impact damage |
| [] | [] | [] | 5. Air erosion |
| [] | [] | [] | 6. Torn jacket |
| [] | [] | [] | 7. Other (list) |

B. Potential for significant damage or damage

- | SD | D | ND | |
|-----|-----|-----|--|
| [] | [] | [] | 1. Accessibility - general public |
| [] | [] | [] | 2. Accessibility - employees and contractors |
| [] | [] | [] | 3. Air movement and plenums |
| [] | [] | [] | 4. Vibration |
| [] | [] | [] | 5. Other (list) |

III. AHERA CATEGORY FOR ALL FRIABLE AND THERMAL ACM (CHOOSE ONE)

- [] A. Damaged or significantly damaged thermal system insulation ACM
 [] B. Damaged friable surfacing ACM
 [] C. Significantly damaged friable surfacing ACM
 [] D. Damaged or significantly damaged friable misc. ACM
 [] E. ACM with potential for damage
 [] F. ACM with potential for significant damage
 [] G. Any remaining friable ACM or friable suspected ACM

CLIENT : KIN SD REG
 BUILDING : ELEMENTARY
 FUNCTIONAL SPACE(S) : EXTENS BLDG

I. MATERIAL DESCRIPTION (LIST):

- A. Material location: WALLS + CEILING
 B. Material amount: 15550 SF
 C. Material type: ONYXALL
 D. Thermal: [] Surfacing: [] Miscellaneous: [X]
 E. Friable: [] Nonfriable: [X]
 F. Sample Codes: #1 LA0155 #2 LA0156 #3
 #4 #5 #6 #7
 G. Assumed: [] Positive: [] Trace: [] Negative: [X]
 Prior Positive: []

II. ASSESSMENT FACTORS FOR ALL FRIABLE AND THERMAL ACM (CHOOSE ONE OR MORE)

A. Existing significant damage or damage

- | SD | D | ND | |
|-----|-----|-----|------------------|
| [] | [] | [] | 1. Flaking |
| [] | [] | [] | 2. Blistering |
| [] | [] | [] | 3. Water damage |
| [] | [] | [] | 4. Impact damage |
| [] | [] | [] | 5. Air erosion |
| [] | [] | [] | 6. Torn jacket |
| [] | [] | [] | 7. Other (list) |

B. Potential for significant damage or damage

- | SD | D | ND | |
|-----|-----|-----|--|
| [] | [] | [] | 1. Accessibility - general public |
| [] | [] | [] | 2. Accessibility - employees and contractors |
| [] | [] | [] | 3. Air movement and plenums |
| [] | [] | [] | 4. Vibration |
| [] | [] | [] | 5. Other (list) |

III. AHERA CATEGORY FOR ALL FRIABLE AND THERMAL ACM (CHOOSE ONE)

- [] A. Damaged or significantly damaged thermal system insulation ACM
 [] B. Damaged friable surfacing ACM
 [] C. Significantly damaged friable surfacing ACM
 [] D. Damaged or significantly damaged friable misc. ACM
 [] E. ACM with potential for damage
 [] F. ACM with potential for significant damage
 [] G. Any remaining friable ACM or friable suspected ACM

CLIENT : KEIN SD R488
 BUILDING : ELEMENTARY
 FUNCTIONAL SPACE(S) : EUTENE BLDG

I. MATERIAL DESCRIPTION (LIST):

- A. Material location: WALLS
 B. Material amount: 6550
 C. Material type: STUCCO
 D. Thermal: [] Surfacing: [X] Miscellaneous: []
 E. Friable: [] Nonfriable: [X]
 F. Sample Codes: #1 LA0157 #2 LA0158 #3
 #4 #5 #6 #7
 G. Assumed: [] Positive: [] Trace: [X] Negative: []
 Prior Positive: []

II. ASSESSMENT FACTORS FOR ALL FRIABLE AND THERMAL ACM (CHOOSE ONE OR MORE)

A. Existing significant damage or damage

- | SD | D | ND | |
|-----|-----|-----|------------------|
| [] | [] | [] | 1. Flaking |
| [] | [] | [] | 2. Blistering |
| [] | [] | [] | 3. Water damage |
| [] | [] | [] | 4. Impact damage |
| [] | [] | [] | 5. Air erosion |
| [] | [] | [] | 6. Torn jacket |
| [] | [] | [] | 7. Other (list) |

B. Potential for significant damage or damage

- | SD | D | ND | |
|-----|-----|-----|--|
| [] | [] | [] | 1. Accessibility - general public |
| [] | [] | [] | 2. Accessibility - employees and contractors |
| [] | [] | [] | 3. Air movement and plenums |
| [] | [] | [] | 4. Vibration |
| [] | [] | [] | 5. Other (list) |

III. AHERA CATEGORY FOR ALL FRIABLE AND THERMAL ACM (CHOOSE ONE)

- [] A. Damaged or significantly damaged thermal system insulation ACM
 [] B. Damaged friable surfacing ACM
 [] C. Significantly damaged friable surfacing ACM
 [] D. Damaged or significantly damaged friable misc. ACM
 [] E. ACM with potential for damage
 [] F. ACM with potential for significant damage
 [] G. Any remaining friable ACM or friable suspected ACM

CLIENT : Ken SD ReBB
 BUILDING : GYM / CAFETERIA
 FUNCTIONAL SPACE(S) : ENTIRE BLDG

I. MATERIAL DESCRIPTION (LIST):

- A. Material location: WALLS + CEILING
- B. Material amount: 5930 SF
- C. Material type: DRYWALL
- D. Thermal: [] Surfacing: [] Miscellaneous: [x]
- E. Friable: [] Nonfriable: [x]
- F. Sample Codes: #1 LA0159 #2 LA0160 #3
 #4 #5 #6 #7
- G. Assumed: [] Positive: [] Trace: [] Negative: [x]
 Prior Positive: []

II. ASSESSMENT FACTORS FOR ALL FRIABLE AND THERMAL ACM (CHOOSE ONE OR MORE)

A. Existing significant damage or damage

SD	D	ND	
[]	[]	[]	1. Flaking
[]	[]	[]	2. Blistering
[]	[]	[]	3. Water damage
[]	[]	[]	4. Impact damage
[]	[]	[]	5. Air erosion
[]	[]	[]	6. Torn jacket
[]	[]	[]	7. Other (list)

B. Potential for significant damage or damage

SD	D	ND	
[]	[]	[]	1. Accessibility - general public
[]	[]	[]	2. Accessibility - employees and contractors
[]	[]	[]	3. Air movement and plenums
[]	[]	[]	4. Vibration
[]	[]	[]	5. Other (list)

III. AHERA CATEGORY FOR ALL FRIABLE AND THERMAL ACM (CHOOSE ONE)

- [] A. Damaged or significantly damaged thermal system insulation ACM
- [] B. Damaged friable surfacing ACM
- [] C. Significantly damaged friable surfacing ACM
- [] D. Damaged or significantly damaged friable misc. ACM
- [] E. ACM with potential for damage
- [] F. ACM with potential for significant damage
- [] G. Any remaining friable ACM or friable suspected ACM

CLIENT : KEN S.D. REEB
 BUILDING : GARAGE
 FUNCTIONAL SPACE(S) : EATING BLOG

I. MATERIAL DESCRIPTION (LIST):

- A. Material location: WALLS + CEILING
- B. Material amount: 1375
- C. Material type: DRYWALL
- D. Thermal: [] Surfacing: [] Miscellaneous: [X]
- E. Friable: [] Nonfriable: [X]
- F. Sample Codes: #1 LA0161 #2 #3
 #4 #5 #6 #7
- G. Assumed: [] Positive: [] Trace: [] Negative: [X]
 Prior Positive: []

II. ASSESSMENT FACTORS FOR ALL FRIABLE AND THERMAL ACM (CHOOSE ONE OR MORE)

A. Existing significant damage or damage

SD	D	ND	
[]	[]	[]	1. Flaking
[]	[]	[]	2. Blistering
[]	[]	[]	3. Water damage
[]	[]	[]	4. Impact damage
[]	[]	[]	5. Air erosion
[]	[]	[]	6. Torn jacket
[]	[]	[]	7. Other (list)

B. Potential for significant damage or damage

SD	D	ND	
[]	[]	[]	1. Accessibility - general public
[]	[]	[]	2. Accessibility - employees and contractors
[]	[]	[]	3. Air movement and plenums
[]	[]	[]	4. Vibration
[]	[]	[]	5. Other (list)

III. AHERA CATEGORY FOR ALL FRIABLE AND THERMAL ACM (CHOOSE ONE)

- [] A. Damaged or significantly damaged thermal system insulation ACM
- [] B. Damaged friable surfacing ACM
- [] C. Significantly damaged friable surfacing ACM
- [] D. Damaged or significantly damaged friable misc. ACM
- [] E. ACM with potential for damage
- [] F. ACM with potential for significant damage
- [] G. Any remaining friable ACM or friable suspected ACM

CLIENT : KIN SD R&BB
 BUILDING : GYM / CAFETERIA
 FUNCTIONAL SPACE(S) : SW GYM ENTRANCE

I. MATERIAL DESCRIPTION (LIST):

- A. Material location: CEILING
- B. Material amount: 16 SF
- C. Material type: CAB
- D. Thermal: [] Surfacing: [] Miscellaneous: [X]
- E. Friable: [] Nonfriable: [X]
- F. Sample Codes: #1 #2 #3
 #4 #5 #6 #7
- G. Assumed: [X] Positive: [] Trace: [] Negative: []
 Prior Positive: []

II. ASSESSMENT FACTORS FOR ALL FRIABLE AND THERMAL ACM (CHOOSE ONE OR MORE)

A. Existing significant damage or damage

SD	D	ND	
[]	[]	[]	1. Flaking
[]	[]	[]	2. Blistering
[]	[]	[]	3. Water damage
[]	[]	[]	4. Impact damage
[]	[]	[]	5. Air erosion
[]	[]	[]	6. Torn jacket
[]	[]	[]	7. Other (list)

B. Potential for significant damage or damage

SD	D	ND	
[]	[]	[]	1. Accessibility - general public
[]	[]	[]	2. Accessibility - employees and contractors
[]	[]	[]	3. Air movement and plenums
[]	[]	[]	4. Vibration
[]	[]	[]	5. Other (list)

III. AHERA CATEGORY FOR ALL FRIABLE AND THERMAL ACM (CHOOSE ONE)

- [] A. Damaged or significantly damaged thermal system insulation ACM
- [] B. Damaged friable surfacing ACM
- [] C. Significantly damaged friable surfacing ACM
- [] D. Damaged or significantly damaged friable misc. ACM
- [] E. ACM with potential for damage
- [] F. ACM with potential for significant damage
- [] G. Any remaining friable ACM or friable suspected ACM

DCM SCIENCE LABORATORY, INC.
BULK ASBESTOS ANALYSIS

REPORTING DATE: JANUARY 3, 1992
 CLIENT: SPENCE - GEIGER ASSOC., INC.
 CLIENT JOB NO.: BOC99
 PROJECT TITLE: KIM
 PROJECT NUMBER: SGA5919

PERCENTAGE COMPOSITION BY AREA/VOLUME

	DCM LAB NO.:	-1-A	-1-B	-1-C	-1-D	-1-E
	SAMPLE DATE:	12-19-91	12-19-91	12-19-91	12-19-91	12-19-91
	% OF SAMPLE:	0.5%	1.0%	2.0%	10.0%	86.5%
	CLIENT NO.:	LA0144	LA0144	LA0144	LA0144	LA0144
ASBESTIFORM MINERAL FIBERS:						
CHRYSOTILE		0.0	0.0	0.0	0.0	0.0
AMOSITE		0.0	0.0	0.0	0.0	0.0
CROCIDOLITE		0.0	0.0	0.0	0.0	0.0
TREMOLITE-ACTINOLITE		0.0	0.0	0.0	0.0	0.0
ANTHOPHYLLITE		0.0	0.0	0.0	0.0	0.0
TOTAL ASBESTOS:		0.0	0.0	0.0	0.0	0.0
TOTAL ASBESTOS CONTENT OF SAMPLE		0.0%				
OTHER FIBROUS CONSTITUENTS		3.0	1.0	2.0	TR	TR
NON-FIBROUS CONSTITUENTS		97.0	99.0	98.0	100.0	100.0
TOTAL PERCENTAGE IDENTIFIED MATERIALS		100.0	100.0	100.0	100.0	100.0

NOTES: SAMPLE NO. 1 CONSISTS OF 5 PARTS. PART A IS A BROWN RESINOUS MATERIAL, PART B IS A MULTI-COLORED RESINOUS PAINT, PART C IS A WHITE PLASTER, PART D IS A WHITE PERLITIC PLASTER AND PART E IS A TAN CONCRETE PLASTER. FOR CALCULATION OF TOTAL ASBESTOS CONTENT OF SAMPLE, TRACE (TR) IS ASSUMED TO BE 0.5%.

DCM SCIENCE LABORATORY, INC.
BULK ASBESTOS ANALYSIS

REPORTING DATE: JANUARY 3, 1992
 CLIENT: SPENCE - GEIGER ASSOC., INC.
 CLIENT JOB NO.: BOC99
 PROJECT TITLE: KIM
 PROJECT NUMBER: SGA5919

PERCENTAGE COMPOSITION BY AREA/VOLUME

	DCM LAB NO.: -2-A	-2-B	-3	-4-A	-4-B
SAMPLE DATE:	12-19-91	12-19-91	12-19-91	12-19-91	12-19-91
% OF SAMPLE:	5.0%	95.0%	100.0%	10.0%	90.0%
CLIENT NO.:	LA0145	LA0145	LA0146	LA0147	LA0147
ASBESTIFORM MINERAL FIBERS:					
CHRYBOTILE	0.0	0.0	0.0	0.0	0.0
AMOSITE	0.0	0.0	0.0	0.0	0.0
CROCIDOLITE	0.0	0.0	0.0	0.0	0.0
TREMOLITE-ACTINOLITE	0.0	0.0	0.0	0.0	0.0
ANTHOPHYLLITE	0.0	0.0	0.0	0.0	0.0
TOTAL ASBESTOS:	0.0	0.0	0.0	0.0	0.0
TOTAL ASBESTOS CONTENT OF SAMPLE	0.0%		0.0%	0.0%	
OTHER FIBROUS CONSTITUENTS	2.0	TR	TR	98.0	10.0
NON-FIBROUS CONSTITUENTS	98.0	100.0	100.0	2.0	90.0
TOTAL PERCENTAGE IDENTIFIED MATERIALS	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>

NOTES: SAMPLE NO. 2 CONSISTS OF 2 PARTS. PART A IS A MULTI-COLORED RESINOUS PAINT AND PART B IS A TAN CONCRETE PLASTER. SAMPLE NO. 3 IS A WHITE PERLITIC PLASTER. SAMPLE NO. 4 CONSISTS OF 2 PARTS. PART A IS A TAN AND BROWN FIBROUS MATERIAL AND PART B IS A PINK PLASTER.

DCM SCIENCE LABORATORY, INC.
BULK ASBESTOS ANALYSIS

REPORTING DATE: JANUARY 3, 1992
 CLIENT: SPENCE - GEIGER ASSOC., INC.
 CLIENT JOB NO.: BOC99
 PROJECT TITLE: KIM
 PROJECT NUMBER: SGA5919

PERCENTAGE COMPOSITION BY AREA/VOLUME

	DCM LAB NO.: -5-A	-5-B	-5-C	-5-D
SAMPLE DATE:	12-19-91	12-19-91	12-19-91	12-19-91
% OF SAMPLE:	2.0%	4.0%	7.0%	87.0%
CLIENT NO.:	LA0148	LA0148	LA0148	LA0148
ASBESTIFORM MINERAL FIBERS:				
CHRYSOTILE	0.0	[1-5]	0.0	0.0
AMOSITE	0.0	0.0	0.0	0.0
CROCIDOLITE	0.0	0.0	0.0	0.0
TREMOLITE-ACTINOLITE	0.0	0.0	0.0	0.0
ANTHOPHYLLITE	0.0	0.0	0.0	0.0
TOTAL ASBESTOS:	0.0	1.0	0.0	0.0
TOTAL ASBESTOS CONTENT OF SAMPLE	<0.1%			
OTHER FIBROUS CONSTITUENTS	1.0	1.0	98.0	12.0
NON-FIBROUS CONSTITUENTS	99.0	98.0	2.0	88.0
TOTAL PERCENTAGE IDENTIFIED MATERIALS	100.0	100.0	100.0	100.0

NOTES: SAMPLE NO. 5 CONSISTS OF 4 PARTS. PART A IS A MULTI-COLORED RESINOUS PAINT, PART B IS A TAN PLASTER, PART C IS A BROWN FIBROUS MATERIAL AND PART D IS A WHITE PLASTER.

DCM SCIENCE LABORATORY, INC.
12477 W. CEDAR DRIVE
LAKEWOOD, CO 80228

DCM PROJECT NO.: SGA5919

CLIENT JOB NO.: BOC99

BULK SAMPLE ANALYSIS

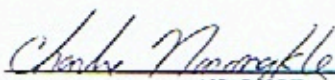
ACCREDITATION:

DCMSL is accredited by the AIHA (since 1986). Our accreditation number is 305.
DCMSL was accredited by NVLAP on April 1, 1989. Our NVLAP Lab Code is 1258.

ENDORSEMENT:

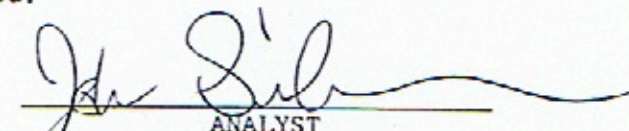
The results of this analysis must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government.

This test report relates only to the items tested.


ANALYST

CHARLIE NASONGKLA

ANALYST


ANALYST

JOHN SILVERMAN

1-3-92
ANALYSIS DATE


LABORATORY DIRECTOR

DCM SCIENCE LABORATORY, INC.
BULK ASBESTOS ANALYSIS

REPORTING DATE: JANUARY 6, 1992
 CLIENT: SPENCE - GEIGER ASSOC., INC.
 CLIENT JOB NO.: BOC99
 PROJECT TITLE: KIM
 PROJECT NUMBER: SGA5920

PERCENTAGE COMPOSITION BY AREA/VOLUME

	DCM LAB NO.:	-1-A	-1-B	-2-A	-2-B	-2-C
	SAMPLE DATE:	12-19-91	12-19-91	12-19-91	12-19-91	12-19-91
	% OF SAMPLE:	12.0%	88.0%	3.0%	7.0%	90.0%
	CLIENT NO.:	LA0149	LA0149	LA0150	LA0150	LA0150
ASBESTIFORM MINERAL FIBERS:						
CHRYSOTILE		0.0	0.0	0.0	0.0	0.0
AMOSITE		0.0	0.0	0.0	0.0	0.0
CROCIDOLITE		0.0	0.0	0.0	0.0	0.0
TREMOLITE-ACTINOLITE		0.0	0.0	0.0	0.0	0.0
ANTHOPHYLLITE		0.0	0.0	0.0	0.0	0.0
TOTAL ASBESTOS:		0.0	0.0	0.0	0.0	0.0
TOTAL ASBESTOS CONTENT OF SAMPLE		0.0%		0.0%		
OTHER FIBROUS CONSTITUENTS		97.0	6.0	TR	96.0	4.0
NON-FIBROUS CONSTITUENTS		3.0	94.0	100.0	4.0	96.0
TOTAL PERCENTAGE IDENTIFIED MATERIALS		100.0	100.0	100.0	100.0	100.0

NOTES: SAMPLE NO. 1 CONSISTS OF 2 PARTS. PART A IS A TAN FIBROUS MATERIAL AND PART B IS A WHITE PLASTER. SAMPLE NO. 2 CONSISTS OF 3 PARTS. PART A IS A YELLOW AND GREEN RESINOUS PAINT, PART B IS A BROWN FIBROUS MATERIAL AND PART C IS A WHITE PERLITIC PLASTER.

DCM SCIENCE LABORATORY, INC.
BULK ASBESTOS ANALYSIS

REPORTING DATE: JANUARY 6, 1992
 CLIENT: SPENCE - GEIGER ASSOC., INC.
 CLIENT JOB NO.: BOC99
 PROJECT TITLE: KIM
 PROJECT NUMBER: SGA5920

PERCENTAGE COMPOSITION BY AREA/VOLUME

	DCM LAB NO.: -3-A	-3-B	-3-C	-3-D
SAMPLE DATE:	12-19-91	12-19-91	12-19-91	12-19-91
% OF SAMPLE:	1.0%	4.0%	7.0%	88.0%
CLIENT NO.:	LA0151	LA0151	LA0151	LA0151
ASBESTIFORM MINERAL FIBERS:				
CHRYSTOLE	0.0	0.0	0.0	0.0
AMOSITE	0.0	0.0	0.0	0.0
CROCIDOLITE	0.0	0.0	0.0	0.0
TREMOLITE-ACTINOLITE	0.0	0.0	0.0	0.0
ANTHOPHYLLITE	0.0	0.0	0.0	0.0
TOTAL ASBESTOS:	0.0	0.0	0.0	0.0
TOTAL ASBESTOS CONTENT OF SAMPLE	0.0%			
OTHER FIBROUS CONSTITUENTS	TR	TR	98.0	7.0
NON-FIBROUS CONSTITUENTS	100.0	100.0	2.0	93.0
TOTAL PERCENTAGE IDENTIFIED MATERIALS	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>

NOTES: SAMPLE NO. 3 CONSISTS OF 4 PARTS. PART A IS A WHITE RESINOUS PAINT, PART B IS A WHITE PLASTER, PART C IS A BROWN FIBROUS MATERIAL AND PART D IS A WHITE FIBROUS PLASTER.

DCM SCIENCE LABORATORY, INC.
BULK ASBESTOS ANALYSIS

REPORTING DATE: JANUARY 6, 1992
 CLIENT: SPENCE - GEIGER ASSOC., INC.
 CLIENT JOB NO.: BOC99
 PROJECT TITLE: KIM
 PROJECT NUMBER: SGA5920

PERCENTAGE COMPOSITION BY AREA/VOLUME

	DCM LAB NO.:	-4-A	-4-B	-4-C	-4-D	-5
	SAMPLE DATE:	12-19-91	12-19-91	12-19-91	12-19-91	12-19-91
	% OF SAMPLE:	1.0%	2.0%	5.0%	92.0%	100.0%
	CLIENT NO.:	LA0152	LA0152	LA0152	LA0152	LA0153
ASBESTIFORM MINERAL FIBERS:						
CHRYSOTILE		0.0	0.0	0.0	0.0	0.0
AMOSITE		0.0	0.0	0.0	0.0	0.0
CROCIDOLITE		0.0	0.0	0.0	0.0	0.0
TREMOLITE-ACTINOLITE		0.0	0.0	0.0	0.0	0.0
ANTHOPHYLLITE		0.0	0.0	0.0	0.0	0.0
TOTAL ASBESTOS:		0.0	0.0	0.0	0.0	0.0
TOTAL ASBESTOS CONTENT OF SAMPLE		0.0%				0.0%
OTHER FIBROUS CONSTITUENTS		TR	TR	98.0	6.0	TR
NON-FIBROUS CONSTITUENTS		100.0	100.0	2.0	94.0	100.0
TOTAL PERCENTAGE IDENTIFIED MATERIALS		<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>

NOTES: SAMPLE NO. 4 CONSISTS OF 4 PARTS. PART A IS A WHITE PLASTER, PART B IS A WHITE RESINOUS PAINT, PART C IS A BROWN FIBROUS MATERIAL AND PART D IS A WHITE FIBROUS PLASTER. SAMPLE NO. 5 IS A WHITE CONCRETE PLASTER.

DCM SCIENCE LABORATORY, INC.
BULK ASBESTOS ANALYSIS

REPORTING DATE: JANUARY 6, 1992
 CLIENT: SPENCE - GEIGER ASSOC., INC.
 CLIENT JOB NO.: BOC99
 PROJECT TITLE: KIM
 PROJECT NUMBER: SGA5920

PERCENTAGE COMPOSITION BY AREA/VOLUME

	DCM LAB NO.:	-6-A	-6-B
	SAMPLE DATE:	12-19-91	12-19-91
	% OF SAMPLE:	0.5%	99.5%
	CLIENT NO.:	LA0154	LA0154
ASBESTIFORM MINERAL FIBERS:			
CHRYSOTILE		0.0	0.0
AMOSITE		0.0	0.0
CROCIDOLITE		0.0	0.0
TREMOLITE-ACTINOLITE		0.0	0.0
ANTHOPHYLLITE		0.0	0.0
TOTAL ASBESTOS:		0.0	0.0
TOTAL ASBESTOS CONTENT OF SAMPLE		0.0%	
OTHER FIBROUS CONSTITUENTS		97.0	TR
NON-FIBROUS CONSTITUENTS		3.0	100.0
TOTAL PERCENTAGE IDENTIFIED MATERIALS		<u>100.0</u>	<u>100.0</u>

NOTES: SAMPLE NO. 6 CONSISTS OF 2 PARTS. PART A IS A TAN FIBROUS MATERIAL AND PART B IS A PINK PERLITIC PLASTER. FOR CALCULATION OF TOTAL ASBESTOS CONTENT OF SAMPLE, TRACE (TR) IS ASSUMED TO BE 0.5%.

DCM SCIENCE LABORATORY, INC.
12477 W. CEDAR DRIVE
LAKEWOOD, CO 80228

DCM PROJECT NO.: SGA5920

CLIENT JOB NO.: BOC99

BULK SAMPLE ANALYSIS

ACCREDITATION:

DCMSL is accredited by the AIHA (since 1986). Our accreditation number is 305.
DCMSL was accredited by NVLAP on April 1, 1989. Our NVLAP Lab Code is 1258.

ENDORSEMENT:

The results of this analysis must not be used by the client to claim product
endorsement by NVLAP or any agency of the U.S. Government.

This test report relates only to the items tested.


ANALYST

MICHAEL J. MARTIN

ANALYST


ANALYST

RON L. SCHOTT

1-6-92
ANALYSIS DATE


LABORATORY DIRECTOR

DCM SCIENCE LABORATORY, INC.
BULK ASBESTOS ANALYSIS

REPORTING DATE: JANUARY 3, 1992
 CLIENT: SPENCE - GEIGER ASSOC., INC.
 CLIENT JOB NO.: BOC99
 PROJECT TITLE: KIM
 PROJECT NUMBER: SGA5921

PERCENTAGE COMPOSITION BY AREA/VOLUME

	DCM LAB NO.: -1-A	-1-B	-1-C	-1-D	-1-E
	SAMPLE DATE: 12-19-91	12-19-91	12-19-91	12-19-91	12-19-91
	% OF SAMPLE: 3.0%	5.0%	8.0%	14.0%	70.0%
	CLIENT NO.: LA0155	LA0155	LA0155	LA0155	LA0155
ASBESTIFORM MINERAL FIBERS:					
CHRYSOTILE	0.0	0.0	0.0	0.0	0.0
AMOSITE	0.0	0.0	0.0	0.0	0.0
CROCIDOLITE	0.0	0.0	0.0	0.0	0.0
TREMOLITE-ACTINOLITE	0.0	0.0	0.0	0.0	0.0
ANTHOPHYLLITE	0.0	0.0	0.0	0.0	0.0
TOTAL ASBESTOS:	0.0	0.0	0.0	0.0	0.0
TOTAL ASBESTOS CONTENT OF SAMPLE	0.0%				
OTHER FIBROUS CONSTITUENTS	0.0	4.0	TR	98.0	5.0
NON-FIBROUS CONSTITUENTS	100.0	96.0	100.0	2.0	95.0
TOTAL PERCENTAGE IDENTIFIED MATERIALS	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>

NOTES: SAMPLE NO. 1 CONSISTS OF 5 PARTS. PART A IS A WHITE RESINOUS PAINT, PART B IS A WHITE PLASTER, PART C IS A WHITE FOAMY, RESINOUS MATERIAL, PART D IS A TAN FIBROUS MATERIAL AND PART E IS A WHITE FIBROUS PLASTER.

DCM SCIENCE LABORATORY, INC.
BULK ASBESTOS ANALYSIS

REPORTING DATE: JANUARY 3, 1992
 CLIENT: SPENCE - GEIGER ASSOC., INC.
 CLIENT JOB NO.: BOC99
 PROJECT TITLE: KIM
 PROJECT NUMBER: SGA5921

PERCENTAGE COMPOSITION BY AREA/VOLUME

	DCM LAB NO.: -2-A	-2-B	-2-C	-2-D
SAMPLE DATE:	12-19-91	12-19-91	12-19-91	12-19-91
% OF SAMPLE:	3.0%	15.0%	15.0%	67.0%
CLIENT NO.:	LA0156	LA0156	LA0156	LA0156
ASBESTIFORM MINERAL FIBERS:				
CHRYSOTILE	0.0	0.0	0.0	0.0
AMOSITE	0.0	0.0	0.0	0.0
CROCIDOLITE	0.0	0.0	0.0	0.0
TREMOLITE-ACTINOLITE	0.0	0.0	0.0	0.0
ANTHOPHYLLITE	0.0	0.0	0.0	0.0
TOTAL ASBESTOS:	0.0	0.0	0.0	0.0
TOTAL ASBESTOS CONTENT OF SAMPLE	0.0%			
OTHER FIBROUS CONSTITUENTS	TR	1.0	98.0	5.0
NON-FIBROUS CONSTITUENTS	100.0	99.0	2.0	95.0
TOTAL PERCENTAGE IDENTIFIED MATERIALS	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>

NOTES: SAMPLE NO. 2 CONSISTS OF 4 PARTS. PART A IS A BLUE RESINOUS PAINT, PART B IS A TAN CONCRETE PLASTER/GREEN PAINT (INSEPARABLE), PART C IS A TAN FIBROUS MATERIAL AND PART D IS A WHITE PLASTER.

DCM SCIENCE LABORATORY, INC.
BULK ASBESTOS ANALYSIS

REPORTING DATE: JANUARY 3, 1992
 CLIENT: SPENCE - GEIGER ASSOC., INC.
 CLIENT JOB NO.: BOC99
 PROJECT TITLE: KIM
 PROJECT NUMBER: SGA5921

PERCENTAGE COMPOSITION BY AREA/VOLUME

	DCM LAB NO.: -3-A	-3-B	-4-A	-4-B
SAMPLE DATE:	12-19-91	12-19-91	12-19-91	12-19-91
% OF SAMPLE:	15.0%	85.0%	5.0%	95.0%
CLIENT NO.:	LA0157	LA0157	LA0158	LA0158
ASBESTIFORM MINERAL FIBERS:				
CHRYSOTILE	0.0	[TR-1]	0.0	[TR-1]
AMOSITE	0.0	0.0	0.0	0.0
CROCIDOLITE	0.0	0.0	0.0	0.0
TREMOLITE-ACTINOLITE	0.0	0.0	0.0	0.0
ANTHOPHYLLITE	0.0	0.0	0.0	0.0
TOTAL ASBESTOS:	0.0	0.5	0.0	0.5
TOTAL ASBESTOS CONTENT OF SAMPLE	0.4%		0.5%	
OTHER FIBROUS CONSTITUENTS	TR	1.0	TR	1.0
NON-FIBROUS CONSTITUENTS	100.0	98.5	100.0	98.5
TOTAL PERCENTAGE IDENTIFIED MATERIALS	100.0	100.0	100.0	100.0

NOTES: SAMPLE NO. 3 CONSISTS OF 2 PARTS. PART A IS A MULTI-COLORED RESINOUS PAINT AND PART B IS A TAN CONCRETE PLASTER. SAMPLE NO. 4 CONSISTS OF 2 PARTS. PART A IS A BLUE AND TAN RESINOUS PAINT AND PART B IS A TAN CONCRETE PLASTER. FOR CALCULATION OF TOTAL ASBESTOS CONTENT OF SAMPLE, TRACE (TR) IS ASSUMED TO BE 0.5%.

DCM SCIENCE LABORATORY, INC.
BULK ASBESTOS ANALYSIS

REPORTING DATE: JANUARY 3, 1992
 CLIENT: SPENCE - GEIGER ASSOC., INC.
 CLIENT JOB NO.: BOC99
 PROJECT TITLE: KIM
 PROJECT NUMBER: SGA5921

PERCENTAGE COMPOSITION BY AREA/VOLUME

	DCM LAB NO.:	-5-A	-5-B	-6-A	-6-B	-6-C
	SAMPLE DATE:	12-19-91	12-19-91	12-19-91	12-19-91	12-19-91
	% OF SAMPLE:	20.0%	80.0%	2.0%	8.0%	90.0%
	CLIENT NO.:	LA0159	LA0159	LA0160	LA0160	LA0160
ASBESTIFORM MINERAL FIBERS:						
CHRYSOTILE		0.0	0.0	0.0	0.0	0.0
AMOSITE		0.0	0.0	0.0	0.0	0.0
CROCIDOLITE		0.0	0.0	0.0	0.0	0.0
TREMOLITE-ACTINOLITE		0.0	0.0	0.0	0.0	0.0
ANTHOPHYLLITE		0.0	0.0	0.0	0.0	0.0
TOTAL ASBESTOS:		0.0	0.0	0.0	0.0	0.0
TOTAL ASBESTOS CONTENT OF SAMPLE		0.0%		0.0%		
OTHER FIBROUS CONSTITUENTS		98.0	12.0	TR	98.0	8.0
NON-FIBROUS CONSTITUENTS		2.0	88.0	100.0	2.0	92.0
TOTAL PERCENTAGE IDENTIFIED MATERIALS		100.0	100.0	100.0	100.0	100.0

NOTES: SAMPLE NO. 5 CONSISTS OF 2 PARTS. PART A IS A TAN FIBROUS MATERIAL AND PART B IS A WHITE AND TAN PLASTER. SAMPLE NO. 6 CONSISTS OF 3 PARTS. PART A IS A WHITE PLASTER, PART B IS A TAN FIBROUS MATERIAL AND PART C IS A WHITE FIBROUS PLASTER.

DCM SCIENCE LABORATORY, INC.
BULK ASBESTOS ANALYSIS

REPORTING DATE: JANUARY 3, 1992
 CLIENT: SPENCE - GEIGER ASSOC., INC.
 CLIENT JOB NO.: BOC99
 PROJECT TITLE: KIM
 PROJECT NUMBER: SGA5921

PERCENTAGE COMPOSITION BY AREA/VOLUME

	DCM LAB NO.: -7-A	-7-B	-7-C
SAMPLE DATE:	12-19-91	12-19-91	12-19-91
% OF SAMPLE:	2.0%	13.0%	85.0%
CLIENT NO.:	LA0161	LA0161	LA0161
ASBESTIFORM MINERAL FIBERS:			
CHRYBOTILE	0.0	0.0	0.0
AMOSITE	0.0	0.0	0.0
CROCIDOLITE	0.0	0.0	0.0
TREMOLITE-ACTINOLITE	0.0	0.0	0.0
ANTHOPHYLLITE	0.0	0.0	0.0
TOTAL ASBESTOS:	0.0	0.0	0.0
TOTAL ASBESTOS CONTENT OF SAMPLE	0.0%		
OTHER FIBROUS CONSTITUENTS	5.0	98.0	9.0
NON-FIBROUS CONSTITUENTS	95.0	2.0	91.0
TOTAL PERCENTAGE IDENTIFIED MATERIALS	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>

NOTES: SAMPLE NO. 7 CONSISTS OF 3 PARTS. PART A IS A GREEN AND TAN RESINOUS PAINT, PART B IS A TAN FIBROUS MATERIAL AND PART C IS A WHITE PLASTER.

DCM SCIENCE LABORATORY, INC.
12477 W. CEDAR DRIVE
LAKEWOOD, CO 80228

DCM PROJECT NO.: SGA5921

CLIENT JOB NO.: BOC99

BULK SAMPLE ANALYSIS

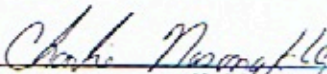
ACCREDITATION:

DCMSL is accredited by the AIHA (since 1986). Our accreditation number is 305.
DCMSL was accredited by NVLAP on April 1, 1989. Our NVLAP Lab Code is 1258.

ENDORSEMENT:

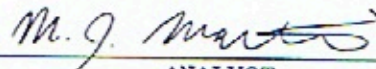
The results of this analysis must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government.

This test report relates only to the items tested.


ANALYST

CHARLIE NASONGKLA

ANALYST


ANALYST

MICHAEL J. MARTIN

1-3-92
ANALYSIS DATE


LABORATORY DIRECTOR

DCM SCIENCE LABORATORY, INC.

BULK IDENTIFICATION PROCEDURES

DCM Science Laboratory bulk asbestos analyses are conducted utilizing procedures developed by the McCrone Research Institute and in compliance with guidelines established by the Environmental Protection Agency. (EPA-600/M4-82-020Dec. 1982).

One half of each sample is used for analysis, with careful attention given to layering, if present. The remaining half of the sample is retained for reference. A microscopic sample is taken with fine forceps from many areas over the entire macro sample. A 10x to 80x stereo microscope is used to obtain a representative 0.5 - 1.0 mg sample, to make preliminary fiber identification, and to examine the homogeneity of the sample. The principal fibrous components: chrysotile, amosite, crocidolite, mineral wool and cellulose can normally be identified at this time. The stereo microscope is also used to determine the components of the sample by volume percent.

The representative sample is then split and mounted in two refractive index liquids, 1.550 HD and 1.680 ND, for analysis under a compound binocular polarizing light microscope (PLM). In addition, all fibrous materials are mounted separately in the two liquids to closely examine the fiber types present under polarized light and dispersion staining. When the macro sample consists of two or more layers, each layer is analyzed separately as described above. All samples are examined for the presence of carbonate with dilute N.F. 10% hydrochloric acid. The above procedures are carried out under a specially constructed hood providing a contamination-free environment.

The samples are then viewed using the PLM at 100x. Fiber and matrix identifications are based on normal optical mineralogic techniques including color and pleochroism, form, cleavage, relief, birefringence, extinction, orientation, twinning, interference figure and other distinguishing features. Dispersion staining is also used as a further aid in mineral identification. The percentage composition by volume is then determined in each liquid. If fibrous material is present which does not match either the 1.550 HD or the 1.680 ND liquid, the sample is then mounted in 1.605 HD and 1.620 HD liquids for further examination. Magnifications ranging from 25x to 630x may be used on samples requiring a more detailed analysis. The asbestos content in each type of liquid is analyzed. The results are averaged to determine total content and percentage range for each type of asbestos. All percentages of asbestos, other fibers, and non-fibrous constituents are calculated by averaging the values obtained from the stereo and PLM microscopes. A chart prepared by R.D. Terry and G.V. Chilinger for The Journal of Sedimentary Petrology, (Volume 25, pp. 229 - 234, 1955) provides a guide for estimating percentages. The values are then normalized to 100%.

All samples are archived for six months unless other arrangements are made by the client.