Bulk Material Analysis Report

Client:
Hazard Management Services, Inc.
P.O. Box 7012
Modesto, CA 95355

Client Number: 146
Report Number: 20927
Date Received: 01/30/89
Date Examined: 03/09/89

Lab Number: 8904177
Sample Number: MMS-200A

Location:
P.O./Job ID: Chico Unified School District/McManus.

Gross Description: White floor tile-like material.

Comments:

Microscopic Description

- TOTAL ASBESTOS PRESENT:
  - Chrysotile: Non-Det. %
  - Amosite: Non-Det. %
  - Crocidolite: Non-Det. %

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

- TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT:
  - Unspecified Particulates: 98-99 %

Supervisor:
David Kahane

SEE REVERSE FOR EXPLANATION OF TERMS AND REPORTING PRACTICES
Analytical method: 40 CFR 763, Subpart F, Appendix A (AHHA)
**Bulk Material Analysis Report**

**Client:** Hazard Management Services, Inc.

**P.O. Box 7012**

**Modesto, CA 95355**

**Client Number:** 146

**Report Number:** 20927

**Date Received:** 01/30/89

**Date Examined:** 03/09/89

**Lab Number:** 8904178

**Sample Number:** MMS-200B

**Site:**

**Location:**

**P.O./Job ID:** Chico Unified School District/McManus.

**Gross Description:** White floor tile-like material.

**Comments:**

**Microscopic Description**

<table>
<thead>
<tr>
<th>Material</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOTAL ASBESTOS PRESENT:</td>
<td></td>
</tr>
<tr>
<td>Chrysotile</td>
<td>Non-Det.%</td>
</tr>
<tr>
<td>Amosite</td>
<td>Non-Det.%</td>
</tr>
<tr>
<td>Crocidolite</td>
<td>Non-Det.%</td>
</tr>
<tr>
<td></td>
<td>Non-Det.%</td>
</tr>
<tr>
<td>TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:</td>
<td>Trace %</td>
</tr>
<tr>
<td>Cellulose</td>
<td>Trace %</td>
</tr>
<tr>
<td>Fibrous Glass</td>
<td>Non-Det.%</td>
</tr>
<tr>
<td>Polyethylene</td>
<td>Non-Det.%</td>
</tr>
<tr>
<td>TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT:</td>
<td>98-99 %</td>
</tr>
<tr>
<td>Unspecified Particulates</td>
<td>98-99 %</td>
</tr>
</tbody>
</table>

**Supervisor:** David Kahane

SEE REVERSE FOR EXPLANATION OF TERMS AND REPORTING PRACTICES

Analytical method: 40 CFR 763, Subpart F, Appendix A (ABER)
**Bulk Material Analysis Report**

**Client:**
Hazard Management Services, Inc.
P.O. Box 7012
Modesto, CA 95355

**Client Number:** 146
**Report Number:** 20927
**Date Received:** 01/30/89
**Date Examined:** 03/09/89

**Lab Number:** 8904179
**Sample Number:** MHS-200C

**Site:**

**Location:**
P.O./Job ID: Chico Unified School District/McManus.

**Gross Description:** White floor tile-like material.

**Comments:**

**Microscopic Description**

<table>
<thead>
<tr>
<th>Material</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total Asbestos Present:</strong></td>
<td></td>
</tr>
<tr>
<td>Chrysotile</td>
<td>Non-Det.%</td>
</tr>
<tr>
<td>Amosite</td>
<td>Non-Det.%</td>
</tr>
<tr>
<td>Crocidolite</td>
<td>Non-Det.%</td>
</tr>
<tr>
<td><strong>Total Non-Asbestos Fibrous Material Present:</strong></td>
<td></td>
</tr>
<tr>
<td>Cellulose</td>
<td>Trace %</td>
</tr>
<tr>
<td>Fibrous Glass</td>
<td>Non-Det.%</td>
</tr>
<tr>
<td>Polyethylene</td>
<td>Non-Det.%</td>
</tr>
<tr>
<td><strong>Total Non-Asbestos Non-Fibrous Material Present:</strong></td>
<td></td>
</tr>
<tr>
<td>Unspecified Particulates</td>
<td>98-99 %</td>
</tr>
</tbody>
</table>

**Supervisor:**

David Kahane

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SEE REVERSE FOR EXPLANATION OF TERMS AND REPORTING PRACTICES

Analytical method: 40 CFR 763, Subpart F, Appendix A (ERRA)
Bulk Material Analysis Report

Client:
Hazard Management Services, Inc.
P.O. Box 7012
Modesto, CA 95355

Client Number: 146
Report Number: 20927
Date Received: 01/30/89
Date Examined: 03/09/89

Lab Number: 8904180
Sample Number: MHS-201A

Site:

Location:
P.O./Job ID: Chico Unified School District/McManus.

Gross Description: Off-white fibrous ceiling tile-like material with white paint.

Comments:

Microscopic Description

TOTAL ASBESTOS PRESENT:

- Chrysoile
- Asbestos
- Crocidolite

TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:

- Cellulose
- Fibrous Glass
- Polyethylene

TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT:

- Unspecified Particulates
- Perlite

Supervisor: David Kahane

SEE REVERSE FOR EXPLANATION OF TERMS AND REPORTING PRACTICES
Bulk Material Analysis Report

Client: Hazard Management Services, Inc.
P.O. Box 7012
Modesto, CA 95355

Client Number: 146
Report Number: 20927
Date Received: 01/30/89
Date Examined: 03/09/89

Lab Number: 8904181
Sample Number: MMS-201B
Site:
Location:
P.O./Job ID: Chico Unified School District/McManus.

Gross Description: Off-white fibrous ceiling tile-like material with white paint.

Comments:

Microscopic Description

<table>
<thead>
<tr>
<th>COMPOUND</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOTAL ASBESTOS PRESENT:</td>
<td></td>
</tr>
<tr>
<td>Chrysotile</td>
<td>Non-Det.</td>
</tr>
<tr>
<td>Amosite</td>
<td>Non-Det.</td>
</tr>
<tr>
<td>Crocidolite</td>
<td>Non-Det.</td>
</tr>
<tr>
<td>TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:</td>
<td>85-90 %</td>
</tr>
<tr>
<td>Cellulose</td>
<td>55-60</td>
</tr>
<tr>
<td>Fibrous Glass</td>
<td>25-30</td>
</tr>
<tr>
<td>Polyethylene</td>
<td>Non-Det.</td>
</tr>
<tr>
<td>TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT:</td>
<td>10-15 %</td>
</tr>
<tr>
<td>Unspecified Particulates</td>
<td>1-5</td>
</tr>
<tr>
<td>Perlite</td>
<td>5-10</td>
</tr>
</tbody>
</table>

Supervisor: [Signature]

David Kahane

SEE REVERSE FOR EXPLANATION OF TERMS AND REPORTING PRACTICES
Analytical method: 40 CFR 763, Subpart F, Appendix A (AHRA)
Bulk Material Analysis Report

Client: Hazard Management Services, Inc.
P.O. Box 7012
Modesto, CA 95355

Client Number: 146
Report Number: 20927
Date Received: 01/30/89
Date Examined: 03/09/89

Lab Number: 8904182
Sample Number: MMS-201C
Site:

Location:
P.O./Job ID: Chico Unified School District/McManus.

Gross Description: Off-white fibrous ceiling tile-like material with white paint.

Comments:

Microscopic Description

TOTAL ASBESTOS PRESENT:

Chrysotile
Amosite
Crocidolite

TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:

Cellulose
Fibrous Glass
Polyethylene

TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT:

Unspecified Particulates
Perlite

Non-Det.%
Non-Det.%
Non-Det.%

85-90 %
55-60 %
25-30 %
Non-Det.%

1-5 %
5-10 %

---

Supervisor: David Kahane

SEE REVERSE FOR EXPLANATION OF TERMS AND REPORTING PRACTICES
Analytical method: 40 CFR 763, Subpart Y, Appendix A (AHRR)

Consulting and Laboratory Services in the Forensic and Environmental Health Sciences
3777 Depot Road, Suite 406 - 408, Hayward, CA 94545  415/887-8828  FAX 415/887-4218
Ms. Jo Ann Semones T-5-2
EPA Certification
US EPA
215 Fremont St.
San Francisco, CA 94105

Dear Ms. Semones:

The enclosed letters are being sent for compliance with AHERA regulations section 763.99(a)(7).

Thank you,

Alan Otto
Operations Foreman
Chico Unified School District

Enclosures
December 27, 1989

Chico Unified Corporation Yard
2455 Carmichael Drive
Chico, CA 95928

O.S.A. AP. No. 51558

RE: Relocatable Classrooms at the Chapman, Jay Partridge, McManus, Marigold, Shasta, and Sierra View Elementary Schools.
Project No. 00008

To Whom it May Concern:

There has been no asbestos containing materials shown on the plans, or specified in the specifications for the above subject project.

If you should have any questions, please contact our office.

Sincerely,

[Signature]

Paul Hendricks
Thomson & Hendricks
Architects & Planners

PH/1m
## SIX-MONTH SURVEILLANCE

**DISTRICT:** CHICO UNIFIED SCHOOL DISTRICT  
**DATE:** 12/28/89  
**SCHOOL:** McManus Elementary School  
**INSPECTOR:** Graves

<table>
<thead>
<tr>
<th>BLDG.</th>
<th>HOMOG. MAT.</th>
<th>ASBESTOS MATERIAL</th>
<th>LOCATION</th>
<th>CONDITION: CODE &amp; COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Wall plaster</td>
<td>5 - 10%</td>
<td>9½</td>
<td>1 - 4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>9½</td>
<td>Kitchen, Admin, halls</td>
</tr>
<tr>
<td>A</td>
<td>9&quot; VFT</td>
<td>5 - 10%</td>
<td>9½</td>
<td>1 - 4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>9½</td>
<td>Hall, Kitchen, MPR</td>
</tr>
<tr>
<td>A</td>
<td>TOC</td>
<td>1 - 5%</td>
<td>1 - 4</td>
<td>Admin. office, hall,</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1 - 4</td>
<td>kitchen, attic</td>
</tr>
<tr>
<td>A</td>
<td>PW &amp; debris</td>
<td>10 - 15%</td>
<td>2 - 4</td>
<td>(Pipe wrap - good)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2 - 4</td>
<td>at above men's RK</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2 - 4</td>
<td>(Debris - slight)</td>
</tr>
<tr>
<td>A</td>
<td>PW Str</td>
<td>40 - 45%</td>
<td>2 - 4</td>
<td>Kitchen attic</td>
</tr>
<tr>
<td>A</td>
<td>Air Cell</td>
<td>Assumed</td>
<td>1 - 4</td>
<td>Custodial closet 98/94/90</td>
</tr>
<tr>
<td>A</td>
<td>Transite pipe</td>
<td>Assumed</td>
<td>1 - 4</td>
<td>Custodial closet and</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1 - 4</td>
<td>attic</td>
</tr>
<tr>
<td>B</td>
<td>Wall plaster</td>
<td>5 - 10%</td>
<td>1 - 4</td>
<td>RR and hall area</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1 - 4</td>
<td>Boiler room 91/4</td>
</tr>
<tr>
<td>B</td>
<td>TOC</td>
<td>1 - 5%</td>
<td>1 - 4</td>
<td>Custodial room &amp; hall</td>
</tr>
<tr>
<td>B</td>
<td>Mud Jnt</td>
<td>25 - 30%</td>
<td>1 - 4</td>
<td>Main boiler room</td>
</tr>
</tbody>
</table>

**CONDITION CODES**

- **GENERAL CONDITION:**
  
  1. GOOD  
  2. DAMAGED  
  3. SIGNIFICANTLY DAMAGED  
  4. DAMAGED 2% OR MORE

- **CHANGE IN CONDITION:**
  
  4. NO  
  5. YES (IF YES, EXPLAIN UNDER COMMENTS)

- **ABATED:**
  
  6. REPAIRED  
  7. REMOVED  
  8. ENCAPSULATED  
  9. ENCLOSED  
  10. ISOLATED & RESTRICTED
### SIX-MONTH SURVEILLANCE

**DISTRICT**  
CHICO UNIFIED SCHOOL DISTRICT  

**SCHOOL**  
McManus Elementary School  

**DATE**  
12/28/89  

**INSPECTOR**  
Graves

<table>
<thead>
<tr>
<th>BLDG.</th>
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</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td>Countertop Lino</td>
<td>1 - 5%</td>
<td>Classroom areas</td>
<td>1 - 4</td>
</tr>
<tr>
<td></td>
<td>9&quot; VFT</td>
<td>1 - 5%</td>
<td>Rm 9 &amp; rest of wing</td>
<td>1 - 4</td>
</tr>
<tr>
<td>B</td>
<td>Air Cell</td>
<td>Assumed</td>
<td>Main B/R room Custodial room attic</td>
<td>9/4</td>
</tr>
<tr>
<td>B</td>
<td>Tank wrap Air cell</td>
<td>Assumed</td>
<td>Main B/R room</td>
<td>1 - 4</td>
</tr>
<tr>
<td>B</td>
<td>Inside B/R Air cell</td>
<td>Assumed</td>
<td>Main B/R room</td>
<td>1 - 4</td>
</tr>
<tr>
<td></td>
<td>Duct wrap</td>
<td>70 - 75%</td>
<td>Sm B/R room, attic</td>
<td>9/1</td>
</tr>
<tr>
<td>C</td>
<td>Wall plaster</td>
<td>5 - 10%</td>
<td>Old RR, B/R room</td>
<td>9/10/92</td>
</tr>
<tr>
<td>C</td>
<td>9&quot; VFT</td>
<td>5 - 10%</td>
<td>Rm 2 and rest of wing</td>
<td>1 - 4</td>
</tr>
</tbody>
</table>

**CONDITION CODES**

- **GENERAL CONDITION:**  
  1) GOOD  
  2) DAMAGED  
  3) SIGNIFICANTLY DAMAGED  
  (DAMAGED 2% OR MORE)

- **CHANGE IN CONDITION:**  
  4) NO  
  5) YES  
  ([IF YES, EXPLAIN UNDER COMMENTS])

- **ABATED:**  
  6) REPAIRED  
  7) REMOVED  
  8) ENCAPSULATED  
  9) ENCLOSED  
  10) ISOLATED & RESTRICTED
### SIX-MONTH SURVEILLANCE

**DISTRICT**  
CHICO UNIFIED SCHOOL DISTRICT

**DATE**  
12/28/89

**SCHOOL**  
McManus Elementary School

**INSPECTOR**  
GRAVES

<table>
<thead>
<tr>
<th>BLDG.</th>
<th>HOMOG. MAT.</th>
<th>ASBESTOS MATERIAL</th>
<th>LOCATION</th>
<th>CONDITION: CODE &amp; COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>D</td>
<td>Wall plaster</td>
<td>5 - 10%</td>
<td>Custodial room hall and RR area</td>
<td>1 - 4</td>
</tr>
<tr>
<td>D</td>
<td>9&quot; VFT</td>
<td>5 - 10%</td>
<td>Hall Classroom areas</td>
<td>1 - 4</td>
</tr>
<tr>
<td>D</td>
<td>TOC</td>
<td>1 - 5%</td>
<td>Hall &amp; custodial room</td>
<td>1 - 4</td>
</tr>
<tr>
<td>D</td>
<td>PW</td>
<td>20 - 25%</td>
<td>Custodial room</td>
<td>1 - 4</td>
</tr>
</tbody>
</table>

### CONDITION CODES

**GENERAL CONDITION:**  
(1) GOOD  (2) DAMAGED  (3) SIGNIFICANTLY DAMAGED  (DAMAGED 2 % OR MORE)

**CHANGE IN CONDITION:**  
(4) NO  (5) YES (IF YES, EXPLAIN UNDER COMMENTS)

**ABATED:**  
(6) REPAIRED  (7) REMOVED  (8) ENCAPSULATED  (9) ENCLOSED  (10) ISOLATED & RESTRICTED