



CENTRAL FACILITIES SERVICES

# ASBESTOS REPORT

List of buildings containing friable and non-friable asbestos

2010

# INTRODUCTION

## **ASBESTOS**

Asbestos is a naturally occurring fibrous mineral found in Canada, Africa, Eastern Europe and the United States. In addition, it is a mineral fiber that has been used commonly in a variety of building construction materials for insulation and as a fire-retardant. Furthermore, it was used extensively in residential and commercial buildings between 1920 and 1978.

## **ACM**

Asbestos containing material.

## **NESHAP**

National Emission Standard for Hazardous Air Pollutants. Regulations set forth by the U.S. Environmental Protection Agency to control asbestos emissions from renovation and demolition activities.

## **WHERE IS ASBESTOS FOUND?**

Asbestos may be found in materials such as insulation around pipes, ducts, and furnaces, ceiling tiles, fiber insulation, plasters, vinyl floor tiles, spray-on acoustical insulation and some wallboard patching compounds. Outside uses of asbestos include exterior roofing shingles, siding and concrete water mains.

## **FRIABLE & NON-FRIABLE ASBESTOS**

Friable asbestos is typically loose degraded material that will crumble, flake, or otherwise release dust when disturbed. Examples are spray on acoustic material, flaking plaster, and water damaged pipe insulation. In addition, according to NESHAP, friable asbestos is a material that contains more than 1-% asbestos, and when dry, can be crumbled, pulverized, or reduced to a powder by hand pressure.

Non-friable asbestos includes solid asbestos containing construction materials that are in good condition. They can only release asbestos fibers if they are physically disturbed by mechanical means, such as being chiseled, drilled, sanded or crushed. Examples are intact floor tiles, transite boards, cement products, and encased pipe insulation.

## **ASBESTOS IN BUILDINGS**

All building occupants should bear in mind that the presence of asbestos containing materials in their building, undisturbed, does not represent any health hazard.

Exposure to asbestos fibers can only take place if the materials are disturbed and allowed to become airborne.

Do not disturb asbestos containing materials unless authorized by you Facilities Maintenance Director.

All employees and outside contractors must follow specific work practices outlined in the Asbestos Operations & Maintenance Program when working in a building where asbestos containing materials (ACM) are present. These procedures are available from the Environmental, Health and Safety Office of The Claremont Colleges.

In order to maintain a safe environment in the buildings, ACM are periodically reinspected or monitored by air sampling. Furthermore, samples of suspect ACM are taken for analysis through the year as they are identified.

Following is the list of all known friable and no-friable asbestos containing materials (ACM) in buildings compiled by Central Facilities Services of The Claremont Colleges:

## KNOWN FRIABLE AND NON-FRIABLE ASBESTOS



### GRADUATE RESIDENCE (DEMOLISHED) HALLS (1111 N. Dartmouth)

- Asbestos Survey completed all asbestos materials abated and buildings demolished June 2009

### HARPER HALL & HARPER EAST

- Piping undisturbed by 1994 mechanical retrofit has ACM insulation.
- Second floor – All ACM spray on fireproofing above drop ceiling removed during the winter of 1991/92.
- Basement and machine rooms – Most of the ACM piping insulation was removed in the winter of 1994.
- Basement machine room 52 – ACM piping insulation was removed in the fall of 2001, from steam piping prior to installation of new hot water piping.
- Harper East – First Floor – ACM floor tile, mastic and drywall mud was removed in the summer of 2001.

### INSTITUTE FOR ANTIQUITY AND CHRISTIANITY

- ACM in all domestic hot water piping insulation throughout the building.
- Basement and crawl space – Domestic hot water ACM piping insulation.
- Crawl space – ACM debris was removed in the spring of 1996.
- Hot water piping insulation removed in 1996.

### JAGELS BUILDING

- Basement machine room – ACM insulation on all heating and steam piping.
- Basement, custodial closet and mechanical room – ACM heating piping insulation and piping fittings insulation was removed in the summer of 1998.

### McMANUS HALL

- Chiller room – All ACM piping insulation was removed in the winter of 1994.
- Basement, corridor – ACM floor tile and mastic was removed in September of 1998.
- Basement – Machine and electrical rooms (next to loading dock) – ACM piping fittings were removed in the summer of 2001.
- First Floor – ACM drywall mud was removed in the summer of 2001.
- First Floor – It has been identified ACM in orange floor tile and white floor tile and mastic, and it was tested in the summer of 2001. Mastic of orange floor tile tested negative for ACM. (surveyed in May 2001).

### PROVOST'S/DEAN'S HOUSE (1006 N. COLLEGE)

- All ACM was removed in the summer of 1996, except for what was concealed in walls.

### SCHOOL OF BEHAVIORAL & ORGANIZATIONAL SCIENCE – RESEARCH INSTITUTE (175 E. 12TH ST.)

- ACM duct insulation and transite vent pipes was removed in December 1997.

## GGU SMALL STRUCTURES (HOUSES)

- 1102 College Ave  
Asbestos survey completed all asbestos materials abated August 2008
- 135 E 12th St  
Asbestos Survey completed no asbestos materials in building
- 141 E 12th St  
Asbestos Survey completed all asbestos materials abated September 2008
- 145/147 E 12th St  
Asbestos Survey completed all asbestos materials abated September 2008
- 160 E Foothill Blvd  
Asbestos Survey completed all asbestos materials abated June 2009

## NO ACM FOUND IN THE FOLLOWING BUILDINGS:

- Academic Computing Building
- Art Building
- Arts and Humanities-Faculty & Administration –121 East Tenth Street:
- Blaisdell House
- Burkle Family Building
- CGU Academic & Administrative Offices – 1263 North Dartmouth Ave.
- CGU Resident Apartment Buildings
- CGU Facilities – 1017 N. Dartmouth Ave.
- Humanities Faculty-Blaisdell House – 143 East Tenth Street:
- Humanities Resource Center – 131 East Tenth Street:
- Institute for Signifying Scriptures – School of Religion - 1017 N. Dartmouth Ave.
- John Stauffer Hall of Learning.
- President's House – 709 Harvard Ave.
- School of Behavioral and Organizational Sciences - Research Institutes – 175 East 12<sup>th</sup> Street & 1217 N. Dartmouth Ave.
- School of Educational Studies Research Offices – 1237 N. Dartmouth Ave.
- School of Mathematical Sciences (North) – 736 North College Ave.
- School of Mathematical Sciences (South) – 710 North College Ave.
- Stone Library – 740 North College Ave.
- Provost House – 207 W Sixth Street

## KNOWN FRIABLE AND NON-FRIABLE ASBESTOS



**CLAREMONT MCKENNA COLLEGE**

*Member of  
The Claremont Colleges*

### ADAMS HALL

- All ACM removed in the summer of 1999, except for what was concealed in walls.

### ADMISSION OFFICE AND GUEST HOUSE

- Lobby – ACM in sprayed-on acoustical ceiling.

### APPLEBY

- All ACM transite piping, piping insulation concealed in walls was removed in the summer of 2003.
- Crawl space underneath the building – All ACM dirt was removed or encapsulated in slurry in the summer of 2003.

### AUEN HALL

- Roof – ACM Domestic and heating hot water piping insulation removed and replaced in the summer of 2005.
- Second floor, Laundry Room – ACM domestic hot water piping insulation.
- All floors – ACM domestic hot water pipe elbows insulation.
- Eight floor – ACM piping insulation on fire main above the ceiling.
- All ACMs removed in the summer of 2008.

### BAUER CENTER NORTH

- ACM in all piping insulation and on piping elbows, including basement.
- First, second & third floors – Structural steel supports are fire protected with ACM. In general, the spaces above drop and hard ceilings are return air plenums with direct exposure to fireproofing.
- First and second floors – ACM in sprayed-on acoustical ceilings.
- Founders' Room – ACM ceiling acoustics on plaster removed in January 1998.
- ACM fire proofing material above main stairway in the attic space was encapsulated in the summer of 1999.
- North East Lobby Area – First Floor – Ceiling Acoustics with ACM was removed in March 2001.
- Roof – Air Handlers – ACM piping insulation was removed from hot and chilled water lines in August 2002.
- Second Floor – Drywall & drywall mud at rooms 320 & 322 tested. None ACM detected, October 2004.
- ACM air sample analysis for ACMs performed in 2<sup>nd</sup> floor area in March 2008. Air levels are below EPA re-occupancy level.
- PCM air sample analysis for ACMs performed October 2007 in second floor conference room. Air levels are below EPA criteria standard levels.

### BAUER CENTER SOUTH

- ACM in all insulation on piping elbows, including basement.
- Structural steel supports were fire protected with ACM. ACM was sprayed-on acoustical ceilings throughout first and second floors. ACM spray-on fireproofing material on structural beams and over sprayed material on adjacent walls of the center core, attic of Forum Room, Mary Pickford Auditorium, Classrooms B-21 through 25, and Classrooms B-31 through B-36, and the ceiling of the second floor in

the Mechanical Room was removed in the summer of 2000. All accessible fireproofing was replaced with none ACM fireproofing. Only ACM fireproofing is in inaccessible areas.

- Basement – Boiler Room – All ACM piping insulation was removed prior to the replacement of boilers in May 2002.
- Roof – Air Handler – ACM piping insulation was removed from hot and chilled water lines in August 2002.

#### BECKETT HALL

- First floor – ACM in piping insulation in closet inside the Study Room.

#### BERGER HALL

- ACM insulation on piping elbows, including the basement Machine Room and in all three tunnels in the basement. Summer of 1996: ACM piping insulation was removed from the basement Machine Room and Storage Area; and ACM floor tile from the Lounge, Lounge entrance and the Kitchenette. Basement – West tunnel – ACM fittings and pipe hangers insulation of steam, condensate and domestic hot water piping was removed in the summer of 2001. Only remaining ACM piping insulation is concealed in walls or inaccessible areas.
- Northwest Room, 2<sup>nd</sup> floor - Removed ACM floor tile in the fall of 1996.

#### BOSWELL HALL

- All ACM transite piping and piping insulation concealed in walls was removed in the summer of 2003.
- All ACM dirt was removed or encapsulated in slurry in the crawl space underneath the building in the summer of 2003.

#### COLLINS HALL

- Crawl spaces – ACM hot water piping insulation.

#### DUCEY GYMNASIUM

- ACM in all insulation on domestic hot water piping elbows throughout building.
- ACM roofing sealer from roof penetrations and seams was removed in the summer of 1995.
- Second Floor – Climbing rock area above main Gym. – ACM floor tile and mastic. Loose floor tile pieces were removed in spring of 2002.

#### FAWCETT HALL

- Roof – ACM Domestic and heating hot water piping insulation removed and replaced in the summer of 2005.
- Second Floor, Laundry Room – ACM domestic hot water pipe elbows insulation.
- All floors – ACM domestic hot water pipe elbows insulation.
- Eighth Floor – ACM piping insulation on fire main above the ceiling.
- All ACMs removed in the summer of 2008.

#### GREEN HALL

- All ACM transite piping, piping insulation concealed in walls was removed in the summer of 2003.
- All ACM dirt was removed or encapsulated in slurry in the crawl space underneath the building in the summer of 2003.

#### INTERNATIONAL PLACE

- Air Handler Room, above International Place – ACM piping elbows insulation.

### MARKS HALL

- All ACM was removed in the summer of 1999, except that concealed in walls and roofing mastic.

### PHILLIPS HALL

- ACM in all steam and condensate piping elbows insulation.
- Lounge entrance and Kitchenette - ACM floor tile was removed during the summer of 1996.
- Machine Room – Last section of ACM piping insulation was removed in the summer of 2001.
- Basement – Southwest tunnel - ACM fitting insulation was removed in the summer of 2001.

### PITZER HALL

- DEMOLISHED 2009

### WOHLFORD HALL

- ACM transite piping and piping insulation in walls was removed in the summer of 2003.
- ACM dirt was removed or encapsulated in slurry in the crawl space underneath the building in the summer of 2003.

### 256 N MILLS HOUSE

- Roof – ACM roof penetrations mastic was removed in the summer of 2003.
- Basement – ACM duct insulation from heating ducts was removed in the summer of 2003.

### NO ACM FOUND IN THE FOLLOWING BUILDINGS:

Axelrood Aquatics Center	Beckett Apartments
Benson Hall (ACM abated in Spring of 1997)	Boswell Hall
CMC Apartments	Emett Student Center
Children's School	Hegblade Center
Keck Science Center	Mills Ave. Offices
McKenna Auditorium	Marian Miner Cook Athenaeum
Roberts Hall North & South	Office of Development
Seaman Hall	Stark Residence Hall
400 Claremont Boulevard	Story House

## KNOWN FRIABLE AND NON-FRIABLE ASBESTOS



### BERNARD FIELD STATION (OLD INFIRMARY BUILDING)

- ACM insulation on equipment and piping elbows.
- ACM acoustic ceiling in hallways and roofing tar (surveyed in March 2001).
- Attic and building walls – ACM hot water piping insulation (surveyed in March 2001).
- Basement – ACM heating exhaust (surveyed in March 2001).

### HONNOLD LIBRARY

- All Floors – ACM floor tile, base and mastic was removed in June 2000, except for remaining ACM floor tile under some book stacks in center area of the third floor, telephone/communications closet on the third floor, and that concealed in walls.
- All Floors – ACM steam, heating and domestic hot water insulation was removed in June 2000, except that concealed in walls.

### HUNTLEY BOOKSTORE

- Basement – ACM 9 X 9 floor tile and mastic (surveyed in May 2004).
- ACM pipe insulation and pipe insulation fittings (surveyed in May 2004).
- First Floor – All floor tile and mastic removed June 2007

### McALISTER RELIGIOUS CENTER

- Basement Area and Mechanical rooms – ACM pipe insulation and Aircell pipe insulation and pipe insulation fittings removed in May 1998.
- Basement – ACM floor tile from sewer ejection room and a section of adjacent hallway was removed in the summer of 2000.

### PENDLETON BUSINESS BUILDING

- Heating system-piping elbows, including the Machine Room and the Boiler Room, have ACM insulation.
- Copy room contains 9x9 floor tile encapsulated under carpet.

### NO ACM FOUND IN THE FOLLOWING BUILDINGS:

Central Facilities Services Building.  
Facilities Office  
Dartmouth House (former Monsour Counseling Center - Surveyed in May 2004)  
New Library Addition & Seeley Mudd Library  
Campus Safety office.  
Tranquada Student Services Center.  
Electric Substation.  
Telephone Office Building.  
OBSA – 139 & 139 1/2 East 7<sup>th</sup> Street.



## KNOWN FRIABLE AND NON-FRIABLE ASBESTOS



**HARVEY MUDD**  
C O L L E G E

### GALILEO HALL

- ACM structural steel fireproofing.

### JACOBS SCIENCE CENTER

- ACM Insulation on piping elbows throughout the building, including piping above dropped ceiling.
- Structural steel fireproofed with ACM.
- ACM Structural steel fireproofing in the hallway of Jacobs's basement was removed in April 1997.
- Mechanical Room /Chiller – ACM pipe insulation and fittings were removed in January 1998.

### KINGSTON HALL

- Basement Boiler Room – ACM insulation of boiler stack was removed in the winter of 1994.
- Heating and chilled water piping elbows throughout the building are insulated with ACM.
- Removal of the piping insulation in the basement – April 2009.

### LIBRA PROJECT (Galileo Hall, W. M. Keck Laboratories)

- ACM in all insulation on piping elbows in Chiller Room, and throughout the building.
- Boiler Room – All ACM insulation was removed from the room in the summer of 2002.
- Basement – ACM in all doors.
- Chillers – ACM piping insulation was removed in August 1996.
- Keck – Room SB30 – ACM not found in floor tile and mastic on November 13, 2003.
- Local pipe insulation abated for valve maintenance June and July 2007

### MARKS RESIDENCE HALL

- ACM insulation on piping elbows.
- ACM in transite wall panels below the windows removed throughout the building in August 2001.
- Basement – ACM piping insulation removed from storage tank to heat exchanger, and ACM heat exchanger insulation was removed in the fall of 2002.

### EAST/MILDRED E. MUDD RESIDENCE HALL

- ACM in all insulated piping throughout the building.
- ACM in transite wall panels below the windows throughout the building.
- Basement Boiler Room – All ACM insulation was removed from the room in the summer of 2002.
- Roof, mechanical room and building crawl space inspected and samples taken April 2008 prior to building renovation.

### NORTH RESIDENCE HALL

- ACM in transite wall panels below the windows throughout the building.
- Steam tunnels – ACM piping insulation-Removed June, 2009.
- Basement Boiler Room – All ACM insulation was removed from the room in the summer of 2002.

- All piping in the tunnels, partial abatement of the cold water pipes in the walls. – June, 2009

#### PARSONS ENGINEERING BUILDING

- ACM in all doors in the basement and second floor.
- ACM heating and cooling piping insulation throughout the building.
- All ACM floor tile mastic was removed from the basement in the summer of 1995. The first and second floors were removed during the summer of 1996.
- ACM floor tile and mastic from Rooms B03 and B23 were removed in the winter of 1996.
- Penthouse – ACM piping fittings insulation was removed in July 1996.
- ACM fireproofing above ceiling (structural steel fireproofing,

#### PLATT CAMPUS CENTER

- Basement – Mechanical room – ACM in boiler stack insulation and all piping and piping elbows insulation.
- Basement – ACM floor tiles in hallway near mechanical room. Surveyed November 2003.
- Throughout the building – ACM in all piping and piping elbows insulation.
- Structural steel in the attic and throughout the building is fire proofed with ACM.
- ACM air ducting.

#### SPRAGUE MEMORIAL LIBRARY

- ACM in all insulation on piping elbows throughout the building.
- 4<sup>th</sup> Floor – Fireproofing tested. None ACM detected, April 2005

#### THOMAS-GARRET HALL

- ACM in all floor tile and mastic throughout the building.
- ACM floor tile and mastic was removed from Classroom 101 in the summer of 2002.

#### WEST HALL

- ACM in transite wall panels below the windows throughout the building.
- ACM in all piping and piping elbows insulation throughout the building. In 2006
- All pipe insulation removed from HHW and DHW lines from the basement and tunnels in June and July 2007,
- Thermal system insulation (TSI) located in crawlspace tunnels removed May 2007.

#### NO ACM FOUND IN THE FOLLOWING BUILDINGS:

- Atwood Residence Hall
- Beckman Hall
- Case Residence Hall
- Hoch-Shanahan Dining Commons.
- F. W. Olin Science Center.
- Foothill Apartments (demolished in July 2003)
- Garrett House (former President's House)
- Linde Activities Center.
- Linde Residence Hall.
- Sontag Residence Hall.

## KNOWN FRIABLE AND NON-FRIABLE ASBESTOS



### AVERY HALL

- ACM is present in the fireproofing in the enclosed area above the ceiling of the auditorium and is contained in piping insulation and floor tile in various areas of the building.
- Auditorium's acoustical ACM ceiling was removed in the summer of 1995.
- Roof, Air Handler & Electric Room – ACM piping insulation was removed in June 2002.
- ACM floor tile and mastic was removed on the stairs and landings and in various rooms throughout the building in June 2002.
- ACM floor tile and mastic was removed on eight separate stair landings in August 2002.
- Various ACM removed in 2009:
  - Entrance / Restroom Area Basement - Removed 9" Floor Tile/ Mastic – 100 % complete
  - Sound Booth - Removed SAAC 50 sq.ft . on 5/21 plus 40 sq.ft. on 5/27/09
  - Backstage AV Offices/Rooms - Removed floor tile/mastic and 1% WBJC wall assemblies 5/27/09
  - Removed TSI
  - Janitor's Closet – Removed limited quantity of Wall Board/Joint Compound from walls
  - Second Floor Office – Removed Wall Board & Joint Compound 1,500 sq. ft.
  - Breezeway and Rooftop - Removed all 3D mastic from breezeway and roof duct 20 sq.ft. from breezeway and 5 sq.ft. from duct; Built roof - 150 sq. ft. abated.

### BERNARD

- ACM is contained in piping insulation and floor tile in various areas of the building.
- Roof, Air Handler – ACM piping insulation was removed in August 1999.
- ACM floor tile and mastic was removed in Computer Room 105 in August 2001.

### FLETCHER

- ACM is contained in piping insulation and floor tile in various areas of the building.
- Roof, Air Handler – ACM piping insulation was removed in August 1999.

### HOLDEN HALL

- ACM in all insulation on piping elbows, including the basement Boiler Room and steam tunnels and is contained in floor tile in various areas of the building.
- ACM. 9" VAT on some floors was removed in 1999.
- Mechanical Room, northeast side – ACM pipe fittings insulation was removed in December 2000.
- Mechanical Room – ACM boiler breaching, tank and pipefittings insulation was removed in May 2001.
- Various areas of the building – ACM floor tile and mastic was removed in May 2001.
- First floor K wing, kitchen – ACM floor tile and mastic removed in July 2003.
- Basement, room B-3 – ACM floor tile and mastic removed in February 2004.

### MEAD HALL

- ACM is contained in piping insulation and floor tile in various areas of the building.
- Basement hallways – ACM floor tile and mastic was removed in August 1999.
- Basement chiller room – ACM piping insulation was removed in the summer of 1999.
- First floor air handler – ACM piping insulation was removed in the summer of 1999.
- First floor, apartment X – ACM piping insulation was removed in the summer of 1999.
- Basement Boiler Room – ACM elbows insulation from heating hot water system was removed in September 1999.
- Basement Boiler Room – ACM boiler breaching and insulation around two boilers stacks (from boiler to wall), hot water tank, pipe insulation, and pipe fittings were removed in June 2000.
- ACM floor tile and mastic was removed in January 2000 from corridor, stair landing, laundry, restrooms and storage rooms.
- Laundry Room – ACM floor tile and mastic, and pipefittings insulation was removed in August 2000.

### McCONNELL CENTER

- ACM is contained in piping insulation and floor tile in various areas of the building.
- ACM 9” VAT on stairs from lobby removed in 1995.
- Basement, Boiler Room – ACM feed water piping elbows insulation was removed in the summer of 1999.
- Basement, Boiler Room – ACM piping fittings and boiler insulation around two boiler stacks were removed in October 1999.
- Upper and lower Mechanical Rooms and Chiller Room – ACM pipe insulation from elbows, fittings and saddle supports were removed in January 2000.
- West end of the East Studio Room and east end of Ceramics Room – ACM floor tile and mastic was removed in January 2000.
- Room 104 – ACM floor tile and mastic was removed in April 2003.
- Room 118 – ACM removed in July 2007

### ONTARIO HOUSE

- Kitchen - ACM linoleum flooring, surveyed in July 2006.
- Basement – ACM heating duct insulation, surveyed in July 2006.
- Basement – ACM mixing box insulation tape, surveyed in July 2006.

### PRESIDENT’S HOUSE

- ACM Kitchen linoleum and floor tile was removed in June 2002.
- No ACM found, surveyed in July 2006

### OLD SANBORN HALL

- All ACMs removed and building demolished in the summer of 2008.

### SCOTT HALL

- ACM is contained in piping insulation and floor tile in various areas of the building.
- ACM in all insulation on piping elbows, including basement.
- Machine room, air conditioning equipment – ACM piping insulation was removed in May 1999.
- Boiler room – ACM boiler stack and piping insulation was removed in May 1999.
- First and second floor, north hallways – ACM floor tile and mastic was removed in January 2000.
- Second floor office 201 – ACM floor tile and mastic was removed in July 2004.

### NO ACM FOUND IN THE FOLLOWING BUILDINGS

Broad Center  
Broad Hall  
Gold Student Center  
Grove House  
Keck Joint Science Center

## KNOWN FRIABLE AND NON-FRIABLE ASBESTOS

# POMONA COLLEGE

**Note: Information current as of August 2001.**

**No updated information has been provided for this report – 2009**

### BLAISDELL HALL

- The hot water storage tank and insulation on piping have ACM.
- The basement hallways and various rooms of the basement and Mechanical Room with ACM pipe insulation fittings and ACM tank insulation was removed in June 1998.
- Completed removal of all accessible ACM pipe insulation from attic and basement in the summer of 2001.

### BRACKETT OBSERVATORY

- ACM in roofing mastic.
- ACM floor tile and floor tile mastic was removed in the summer of 2000.

### BRIDGES AUDITORIUM (*Building conveyed from CUC to Pomona College in 2007*)

- ACM in all piping and equipment insulation.
- ACM roof penetration mastic (surveyed in May 2003) removed in January 2004.
- ACM roofing material at Dome only (surveyed May 2003) removed in January 2004.
- ACM roofing patch (Henry's type) (surveyed in May 2003) removed in January 2004.

### BRIDGES HALL OF MUSIC AND LeBUS COURT

- Basement and first floor – ACM insulation on piping elbows.
- ACM piping insulation from Basement machine room was removed in the summer of 2000.

### CARNEGIE BUILDING

- ACM was removed from all air conditioners and machine rooms in the summer of 1991.
- All ACM was removed in the summer of 1997, except for that concealed in walls.

### CLARK I

- Basement crawl space – Cleaned up in August 1998.
- Basement crawl space & tunnel – ACM piping insulation of steam and condensate was removed in the summer of 2001.
- No ACM in building except for that concealed in walls.

### CLARK III

- Basement crawl space & tunnel – ACM steam and condensate-piping insulation was removed in the summer of 2001.

### CLARK V

- Overhead steam piping in the basement is insulated with ACM.

### CROOKSHANK HALL

- All steam piping, including attic piping is insulated with ACM.

- Removed ACM floor tile and floor mastic from Room 11 in July 1998.

#### COOK HOUSE – FACULTY RESIDENCE (119 N COLLEGE AVE.)

- All abandoned piping and steam lines are insulated with ACM.

#### EDMUNDS STUDENT UNION

- All ACM was removed in the summer and fall of 1997.
- Ballroom – ACM acoustical ceiling was removed in the spring of 1999.

#### FRARY DINING HALL

- ACM in all insulation on piping in the main steam line tunnel.
- ACM in the abandoned steam line to Clark Hall III.

#### GIBSON HALL

- ACM linoleum was removed from the computer rooms in the summer of 2000.
- ACM linoleum in the storage area at first floor.

#### HARWOOD COURT

- ACMs in the attic and in some walls.

#### KENYON HOUSE

- ACM in linoleum in the Copy Room.

#### MASON HALL

- Building renovated in 2007. All ACMs removed.

#### MILLIKAN LABORATORY

- Basement – ACM insulation of condensate piping elbows, steam line-piping elbows, and chilled water line elbows.
- ACM in all insulation on piping, including the west attic.

#### MONTGOMERY ART BUILDING

- Attic – ACM steam pipe insulation to the air handler was removed in the summer of 1994.
- ACM in all sprayed on acoustical ceilings that are typical to ceiling in the first floor print room, the west entrance, or the southeast storage area.
- Pottery Room – ACM floor tile was removed in the fall of 1996.
- West Gallery & Print/Study – ACM floor tile and mastic was removed in the summer of 2000.

#### MUDD HALL

- The basement halls and various rooms of the basement and mechanical room – ACM pipe insulation, pipefittings, and tank insulation was removed in June 1998.
- Removed ACM pipe insulation from the attic in July 1998.
- Completed removal of all accessible ACM pipe insulation from the attic and basement in the summer of 2000.

#### OLDENBORG CENTER

- ACM in all piping elbows insulation including the basement.
- ACM on fireproofing above drop ceiling.

- ACM in acoustical ceiling throughout the building.
- Removed ACM acoustical ceiling material, pipe insulation, floor tile, and mastic from corridors, lobbies and Language Lounges in July 1998.

#### PENDLETON P. E. CENTER

- Basement, Air Handler – ACM in heating system-piping elbows insulation.
- Sump Pump Room, air compressor – ACM in piping elbows insulation.
- First floor Mechanical Equipment Room – ACM in insulation of chilled water and heating system piping elbows.

#### REMBRANDT HALL

- Machine Room – Steam and chilled water piping elbows insulation was removed in the summer of 1994.
- Shop – ACM steam and chilled water piping elbows insulation was removed in the summer of 1995.
- Second floor, South Art Room – ACM sprayed on acoustical ceiling.
- Ceramic area – ACM floor tile in was removed in the summer of 1996.

#### SCIENCE LIBRARY

- ACM in heating system piping elbows insulation, including east Machine Room and roof.

#### SEAVER NORTH

- All ACM removed in the summer of 2000, except that concealed in exterior walls or floors.

#### SEAVER SOUTH

- Building renovated in 2008. All ACMs removed.

#### SUMNER HALL

- Basement and steam tunnel – ACM piping insulation.
- There is ACM lying on ground in steam tunnel.
- Attic - ACM insulation removed in the spring of 1991.
- ACM in 9" VAT on floors in building.

#### THATCHER MUSIC BUILDING

- ACM in air conditioning piping elbows insulation, including basement.
- All insulated piping elbows in the north Chiller Room on the ground level have ACM insulation.
- KSPY Radio Room – ACM floor tile and mastic was removed in the spring of 1997.

#### WALKER HALL

- Student Rooms – ACM floor tile and mastic was removed in the summer of 1999.
- Walls – ACM piping insulation concealed in walls was removed in the summer of 1999.

#### WIG HALL

- First floor reception area – ACM spray on acoustical ceiling.
- ACM in 9" VAT on floors in building.
- Sprayed on acoustical ceiling and over spraying in first floor lobby and lunch areas, pipe insulation exposed in areas that are accessible, and 9" VAT in selected rooms containing ACM were removed in the summer of 1993.
- Basement, bicycle storage room – ACM piping elbows insulation was removed in the summer of 1999.

#### DEAN'S HOUSE (156 E 7TH ST)

- Garage (demolished) – ACM roof felt and mastic was removed in August 1998.



NO ACM FOUND IN THE FOLLOWING BUILDINGS:

Alexander Hall  
President's House  
Baldwin House  
Smiley Hall  
Cook House  
Rains Center  
Replica House  
East Court  
Renwick House  
Frank Dining Hall  
Seaver House  
Grounds Building  
Seaver Observatory  
Hahn Building  
Smith Campus Center  
Tennis Building  
Norton Hall  
Thille Botany Building  
Oldenborg Director's Residence  
Walton Commons  
Pearsons Hall  
Wig Cottages

## KNOWN FRIABLE AND NON-FRIABLE ASBESTOS



### BALCH HALL

- All accessible ACM was removed in the fall of 1991.
- ACM in ceiling and walls was removed from 79 locations – the rest to remain.
- All insulation on steam piping throughout the building contains ACM.
- The crawl space in the basement has ACM on the ground.
- The sprayed acoustical ceiling in the President's Annex, and plaster acoustical ceilings and walls throughout the building contain ACM.
- Piping in attic above the President's Office is insulated with ACM.
- Financial Aid office ACM acoustic ceiling was removed in the summer of 1996.
- Acoustic ceilings at Room 10B and 20 do not have ACM.
- ACM found in proximity to the area for the new elevator shaft construction was removed in July 2007

### Baxter Hall (removed 1993)

- All accessible ACM was removed in 1993.
- ACM in roofing mastic, analyzed in June 2005.

### BROWNING HALL

- All ACM was removed in the summer of 1995, except that concealed in walls.
- Ground floor – former kitchen area – ACM concealed pipe insulation on walls and ceiling tile glue was removed in the summer of 2001.

### DENISON LIBRARY

- ACM in all piping insulation.
- Basement, southwest area – ACM piping and elbows insulation was removed in the summer of 1999.
- Basement, Mechanical Room – ACM piping and fittings insulation was removed in the summer of 2000.

### DORSEY HALL

- All ACM was removed in the summer of 1996, except that concealed in walls.
- Ground floor – former kitchen area – ACM concealed pipe insulation on walls and ceiling tile glue was removed in the summer of 2001.

### GARRISON THEATER / PERFORMING ARTS CENTER

- All ACM was removed in the summer of 2002, except that concealed in walls.

### GRACE SCRIPPS CLARK HALL

- All ACM was removed except that concealed in walls.

## HUMANITIES BUILDING

- ACM in all insulation on piping elbows, including the north basement near air conditioning compressor.
- Chilled water piping elbows in the south basement are insulated with ACM.
- Basement, Machine Room – ACM piping and elbows insulation of sections of the heating piping were removed in the summer of 1999.

## KIMBERLY HALL

- ACM in heating system piping elbows insulation.
- Kitchenette – kickboard, floor tile and mastic analyzed June 2005, no ACM present.

## FLORENCE RAND LANG ART STUDIOS

- ACM in all insulated piping elbows throughout the building.
- Basement Boiler Room – All ACM insulation was removed from the boiler room in the summer of 2002.
- Roof boiler and cooling tower rooms – All ACM insulation removed from the rooms in the summer of 2002.
- ACM in all ceiling in fills were removed in the winter of 1992.

## MALOTT COMMONS

- All ACM was removed in May 1998, except that concealed in walls.

## REVELLE HOUSE

- ACM domestic hot water piping insulation in the south end of the attic near the heater.

## ROUTT-FRANKEL HALL

- Basement – ACM in all piping elbows insulation was removed in the summer of 2001.
- Basement – mechanical space ACM piping elbows insulation was removed in the summer of 1997.
- Frankel – ACM in all insulation on piping elbows, including the first floor, east corridor near the stairs, the second floor near the Browsing Room, and in the east attic.

## ROUTT-FRANKEL (former KITCHEN)

- Air vent in first floor lobby by front desk insulated with ACM.
- Basement – Crawl space has ACM on floor.

## ROUTT APARTMENTS

- ACM in chilled water piping insulation throughout the building.

## HARRY AND GRACE STEELE HALL

- ACM in certain ceiling in fills as well as a small amount of hot water piping insulation.
- ACM ceiling deck fireproofing and acoustical from second floor south end offices was removed in June 1997.
- Second floor, Mechanical Room – ACM piping elbows insulation was removed in the summer of 1997.
- Third floor, ceiling plaster has no ACM (July 2000).

### TOLL HALL

- All ACM removed except that concealed in walls.

### VITA NOVA HALL AND DANCE STUDIO

- Vita Nova Bldg., Studio # 2 – ACM floor tile and mastic were removed in June 1998.
- Vita Nova Building – ACM floor tile and mastic throughout the building and ACM Insulation on piping for chilled and hot water systems were removed in June of 2004.

### WILBUR HALL

- Basement – Mechanical Room, corridor, electric room and storage areas - ACM insulation on piping and elbows was removed in the summer of 1999.

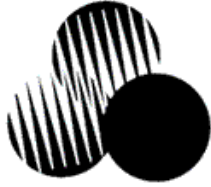
### 1060 N COLLEGE AVE. HOUSE

- Basement and crawl space – ACM duct insulation was removed in June 2003.

### NO ACM FOUND IN THE FOLLOWING BUILDINGS

11<sup>th</sup>. Street House  
Baxter Hall (removed 1993)  
Dartmouth Ave. House.  
Dean's House.  
Grounds Building.  
Jungles - Winkler Hall.  
Keck Science Center  
Ruth Chandler Williamson Gallery.  
Service Building.  
Swimming Pool.

## KNOWN FRIABLE AND NON-FRIABLE ASBESTOS



### KECK GRADUATE INSTITUTE of Applied Life Sciences

#### ACADEMIC & ADMINISTRATION BLDG (535 WATSON Dr.)

- ACM mastic under linoleum in Rooms 161,163,148A, 148B, 133& 125 were removed in May 2000.
- All remaining mastic under linoleum may have ACM.

#### BUILDINGS TO BE INSPECTED FOR THE PRESENCE OF ACM

ACADEMIC & RESEARCH BLDG – 517 Watson Dr.