

April 11, 2019

TO: TCC Facilities Directors and Human Resources Departments

FROM: The Claremont Colleges Environmental Health and Safety

**SUBJECT: TCC Asbestos Locations Report 2018-19 Update-revised**

This compiled asbestos locations data was provided by each College's Facilities Department and is presented in an annual report compiled by TCCS EHS.

The information in this document provides partial compliance with the required annual asbestos Notice to Employees for The Claremont Colleges when distributed per Health and Safety Code Requirements by your College. (Connelly Act, AB 3713) Ca. Health and Safety Code Sections 25915-25929.7. Each College should consult the Connelly Act for specific requirements.

The asbestos location information in this listing is a "living document" that will be revised as new information is received yearly. Information is for existing buildings only.

NOTE TO FACILITIES DEPARTMENTS: Asbestos updates are requested using the attached form. Please review existing information for accuracy according to your asbestos inspection and abatement records. The accuracy of this report depends on the annual updates received.

Annual asbestos location updates may be sent to [ehs@claremont.edu](mailto:ehs@claremont.edu) using the form on the next page by the end of each fiscal year.

If you should have any questions, please contact [ehs@claremont.edu](mailto:ehs@claremont.edu).

**Facilities Asbestos Annual Locations Update Form**

**Email updates to ehs@claremont.edu**

**College Name:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Printed Name of Person Submitting:** \_\_\_\_\_ **Phone:** \_\_\_\_\_

**Asbestos Sampling Data Summary (Please attach Sampling/Abatement Consultant Summary with asbestos type, %, and building room and location):**

<u>Building Name</u>	<u>Building Street Address</u>	<u>Room/location</u>	<u>Asbestos result</u>

## THE CLAREMONT COLLEGES ASBESTOS LOCATIONS REPORT

This is a list of current buildings at The Claremont Colleges determined to contain asbestos with known and abated asbestos locations at TCC. Information is based on data reported by TCC Facility Department's.

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2018-19

**INTRODUCTION-This report is requested by The Claremont Colleges Human Resources and Facilities Departments.**

**DEFINITIONS**

**ACM/ACBM**

The terms are similar but not exactly the same and are defined by the EPA. Asbestos Containing Material is defined as containing more than 1 percent asbestos. Asbestos Containing Building Materials are materials containing more than 1% asbestos in or on interior structural members or other structural components.

**Connelly Asbestos Notice**

A notice required by the State of California for building constructed prior to 1979. For more information on the Connelly Asbestos Notifications see California Health and Safety Code Section 25915:

[https://www.weblaws.org/california/codes/ca\\_health\\_and\\_safety\\_code\\_section\\_25915](https://www.weblaws.org/california/codes/ca_health_and_safety_code_section_25915)

**Friable & non-friable asbestos**

Friable asbestos is defined as “being able to be crumbled by hand pressure,” and is typically loose or degraded material that may crumble, flake, or otherwise release asbestos fibers into the air when disturbed. Examples are spray on acoustic material, flaking asbestos containing plaster, and water damaged pipe insulation. According to NESHAP, friable asbestos is a building 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. These materials can only release asbestos fibers if they are physically disturbed by mechanical means, such as being drilled, sanded, or crushed. Examples are intact floor tiles, transite boards, cement products, and encased pipe insulation.

**NESHAP**

National Emission Standard for Hazardous Air Pollutants. U.S. Environmental Protection Agency regulations to control asbestos emissions from renovation and demolition activities. Renovations and demolitions are over a certain size are regulated NESHAPS with enforcement by the South Coast Air Quality Management District.

**QUESTIONS AND ANSWERS**

**Q: WHAT IS ASBESTOS?**

Asbestos is a naturally occurring fibrous mineral found in Canada, Africa, Eastern Europe, and the United States. This mineral fiber has been used in a variety of building construction materials for insulation and as a fire-retardant and was used most extensively in residential and commercial buildings construction between 1920 and 1978. In 1990 there was an Environmental Protection Agency (EPA) ban on producing

certain new asbestos materials. New building materials have EPA limitations on where asbestos may be used.

**Q: IS ASBESTOS USE CURRENTLY BANNED BY THE EPA?**

No, asbestos use in new building materials is not banned. In 1990 the U.S. EPA banned certain spray on fireproofing materials, however existing material could still be used, and asbestos may still be found in new roofing felt and coatings, cement roof tiles, vinyl floor tile, and other currently produced materials as listed by the EPA at:

<http://www2.epa.gov/asbestos/us-federal-bans-asbestos#notbanned>

**Q: 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.

**Q: WHO MANAGES ASBESTOS COMPLIANCE AT TCC?**

Each College's Facilities Department

**GENERAL GUIDANCE**

**Asbestos in Buildings- Safety Precautions**

The presence of asbestos containing materials in a building *which are 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. Asbestos may be identified in the report as in the chrysotile, amosite, or crocidolite forms. Testing for and working with asbestos containing building materials requires special state certified training and equipment. Contact your Facilities Department with any questions.

**Note:** this report is compiled from self-reported asbestos information supplied by each College Facilities Department and reflects that content. Any areas that are not listed should be considered as suspect positive for asbestos containing building materials until tested by an accredited asbestos inspector or unless the material is new construction material in which asbestos use was specifically banned by the EPA.

Do not disturb asbestos containing materials unless properly trained and authorized by your College Facilities Maintenance Director.

All employees and outside contractors must follow specific work practices outlined in your College's Asbestos Operations & Maintenance Program when working in a building where asbestos containing materials (ACM) are present. Contractors should receive a copy of this report prior to starting work.

In order to maintain a safe environment in the buildings, ACM locations may be periodically reinspected or monitored by your Facilities Department with samples of suspect ACM analyzed as they are identified.

Following is the list of all known friable and non-friable asbestos containing materials (ACM) in buildings compiled from reports submitted by each College's Facilities Department. Original asbestos inspection and abatement reports are located in each College's Facilities office.

General Construction/Renovation Guidelines:

Before doing renovations or demolition if the structure location is not on the list, and is old enough to potentially contain ACM (manufacturing of certain ACM building materials was banned in 1991, and the Connelly Act notes construction prior to 1979 as the year required for occupant notification), or if asbestos containing material currently in commercial use was installed (such as roofing materials and others), conduct asbestos testing using a state certified and trained technician. Note that the 1991 construction date is not a firm date to determine if ACM was used, as existing stocks of materials were allowed to be used up.

## KNOWN FRIABLE AND NON-FRIABLE ASBESTOS AT TCC

### CLAREMONT GRADUATE UNIVERSITY

DATE ASBESTOS DATA SUBMITTED FOR ANNUAL UPDATE: 9/20/17. FOR RECENT ASBESTOS INFORMATION CONTACT THE COLLEGE FACILITIES DEPARTMENT.

#### HARPER HALL & HARPER EAST

- Piping undisturbed by a 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.
- Harper Hall, Basement, Storage Room 20, ACM floor tile, mastic, and drywall mud was removed in the Fall of 2016.

#### 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 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 were removed in 1998.

#### McMANUS HALL

- Chiller room – All ACM piping insulation was removed in 1994.
- Basement, corridor – ACM floor tile and mastic was removed in 1998.
- Basement – Machine and electrical rooms (next to loading dock) – ACM piping fittings were removed in 2001.
- First Floor – ACM drywall mud was removed in 2001.
- First Floor – ACM present in orange floor tile and white floor tile and mastic, tested in 2001. Mastic of orange floor tile tested negative for ACM. (surveyed in May 2001).
- Basement- Storage Room 25, ACM floor tile and mastic was removed in 2017.

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

- All accessible ACM was removed in 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.

CGU HOUSES

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

### CLAREMONT McKENNA COLLEGE

DATE ASBESTOS DATA SUBMITTED FOR ANNUAL UPDATE: 9/9/2017. FOR MORE RECENT ASBESTOS INFORMATION CONTACT THE COLLEGE FACILITIES DEPARTMENT.

#### ADAMS HALL

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

#### 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 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. The spaces above drop and hard ceilings are return air plenums for the building HVAC system with air exposure to non-encapsulated asbestos fireproofing. CUC Central Facilities Services conducts quarterly air monitoring testing of the area to ensure that EPA clearance limits are met, current as of 9/2017. The ACM fireproofing is above the acoustical ceiling.
- First and second floors – ACM present in sprayed-on acoustical ceilings.
- Founders' Room – ACM ceiling acoustics on plaster removed in 1998. White fireproofing is 35% chrysotile.
- ACM fire proofing material above main stairway in the attic space was encapsulated in 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. No ACM detected. October 2004.
- Analysis for ACM's performed in 2<sup>nd</sup> floor area in March 2008. Air levels were below EPA clearance levels at that time. Specific data is available at the CMC's Facilities Dept.
- PCM air sample analysis for ACMs performed October 2007 in second floor conference room. Asbestos air concentration levels were below the EPA clearance level at that time. Specific data is available at CMC's Facilities Dept.
- Bauer First Floor Registrar's office, office #3 – removal of carpet mastic in May 2017.
- Bauer First Floor southeast corner, Founders Room- spot abatement and cleaning of panel and plenum in March 2017.

### BAUER CENTER SOUTH

- ACM present in all insulation on piping elbows, including basement.
- Structural steel supports were fire protected with ACM. ACM in 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 2000. All accessible fireproofing was replaced with non-ACM fireproofing. ACM fireproofing remains 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.
- ACM piping insulation was removed from the basement Machine Room and Storage Area removed in 1996.
- Northwest Room, 2<sup>nd</sup> floor - Removed ACM floor tile in 1996 and ACM floor tile from the Lounge, Lounge entrance and the Kitchenette.
- Basement – West tunnel – ACM fittings and pipe hanger's insulation of steam, condensate, and domestic hot water piping was removed in 2001.
- ACM remains in piping insulation concealed in walls or inaccessible areas.

### 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 present in hot water piping insulation.
- Windows- All window caulking and putty was removed and replaced in July 2017.
- Restroom Mirror mastic- all mirror mastic was removed in July 2017.
- Wall Panel mastic was removed in July 2017.

### FAWCETT HALL

- Roof – ACM Domestic and heating hot water piping insulation removed and replaced in the summer of 2005.
- Second Floor, Laundry Room – ACM present in domestic hot water pipe elbows insulation.
- All floors – ACM present in domestic hot water pipe elbows insulation.
- Eighth Floor – ACM present in piping insulation on fire main above the ceiling.
- All ACMs removed in the summer of 2008.
- All roof mastic was removed in August 2018

### 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 present in piping elbows insulation.

### MARKS HALL

- All accessible ACM was removed in the summer of 1999, ACM is still present in concealed areas of walls and in roofing mastic.

### PHILLIPS HALL

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

### WOHLFORD HALL

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

### 256 N MILLS HOUSE

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

### NO ACM FOUND IN THE FOLLOWING BUILDINGS:

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

## KNOWN FRIABLE AND NON-FRIABLE ASBESTOS AT TCC's

### HARVEY MUDD COLLEGE

DATE ASBESTOS DATA SUBMITTED FOR ANNUAL UPDATE: 1/25/18. FOR RECENT ASBESTOS INFORMATION CONTACT THE COLLEGE FACILITIES DEPARTMENT.

#### GALILEO HALL

- ACM in structural steel fireproofing.
- Lecture Halls, Set Up rooms and Audio-Visual rooms ACM fireproofing was encapsulated in January 2010.
- Rooms A and G - ACM structural steel fireproofing was removed January 2010.
- North and South Hallways - ACM structural steel fireproofing and ACM insulation on piping elbows was removed August 2012.
- Room B - ACM structural steel fireproofing was removed December 2013.
- Fireproofing removed from I-beam columns October 2016.
- No ACM detected after removal.

#### JACOBS/ KECK SCIENCE CENTER

- ACM Insulation on piping elbows throughout the building, including piping above dropped ceiling.
- 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.
- Keck Lab SB Storage- floor tile grey, black, tan and black mastic: no ACM detected.
- ACM was removed from the fume hoods of the 2nd Floor on May 2017.
- Removal of ACM in blue 12"x12" vinyl floor tile and mastic from 2nd Floor lab was conducted, June 2017.
- Removal of asbestos containing floor tile and mastic in the 2nd floor corridor and 1st floor entry way of Keck – May 2018

#### KINGSTON HALL

- Heating and chilled water piping elbows throughout the building are insulated with ACM.
- Basement Boiler Room – ACM insulation of boiler stack was removed in 1994.
- Removal of ACM piping insulation in the basement – April 2009.
- ACM in wood paneling mastic located in 1st Floor Lobby area.
- Removal of asbestos containing roof penetration and flashing mastic – May 2018

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

- ACM in all insulation on piping elbows in Chiller Room, and throughout the building.
- Basement – ACM in all 1 hour rated doors.
- Chillers – ACM piping insulation was removed in August 1996.
- Boiler Room – All ACM insulation was removed from the room in the summer of 2002.
- Keck – Room SB30 – ACM not found in floor tile and mastic on November 13, 2003.
- Local pipe insulation abated for valve maintenance in 2007
- Chiller Rooms – Remainder of ACM piping insulation was removed in 2011.

### SOUTH/ MARKS RESIDENCE HALL

- ACM insulation on piping elbows.
- ACM in transite wall panels below the windows removed throughout the building in 2001.
- Basement – ACM piping insulation removed from storage tank to heat exchanger, and ACM heat exchanger insulation was removed in 2002.
- Asbestos containing material found and removed in brown vinyl floor tile and mastic in rooms 302, 307, 310, 312, and Student Lounge.
- ACM was removed from Student Lounge on July 1, 2017.

### 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 in April 2008 prior to building renovation.
- ACM believed to be in carpet mastic removed from rooms 109, 111, 113, and 115.

### NORTH RESIDENCE HALL

- ACM in transite wall panels below the windows throughout the building.
- Basement Boiler Room – All ACM insulation was removed from the room in 2002.
- All piping in the tunnels removed. Partial abatement of the cold-water pipes in the walls. – June, 2009
- Steam mechanical shaft – ACM piping insulation-Removed June, 2009.

### PARSONS ENGINEERING BUILDING

- Asbestos Containing Survey Report Data, January 2014.
- ACM present in heating and cooling pipe insulation elbows throughout the building.
- Transite panels in fume hoods in B-169 removed March 2014.
- Roof penetration mastic positive for ACM.
- Transite Panels in fume hoods in Rooms B-173, B-185, 2387, 2389, and 2393.
- Removal of all roof mastic including the two penthouses – June 2018

### PLATT CAMPUS CENTER

- Basement – Mechanical room – ACM present in boiler stack insulation and all piping and piping elbows insulation.
- 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 insulation wrapping the air ducting.
- ACM in 9” floor tiles in various areas throughout the building (some may be covered by carpet).

### NORMAN F. SPRAGUE CENTER

(Formerly known as: 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.
- Roof: grey, black, and white flashing mastic. ACM detected on May 2017.
- Removal of roof ACM - July 2017.
- No ACM found on 3rd Floor.
- Removal of ceiling tile mastic from Kitchen (Room 402) on August 2017. No ACM detected after removal.

### WEST HALL

- ACM in transite wall panels below the windows throughout the building.
- ACM in all piping and piping elbows insulation throughout the building- 2006.
- All pipe insulation removed from HHW and DHW lines from the basement and tunnels, 2007.
- Thermal system insulation (TSI) located in crawlspace tunnels removed May 2007.
- Exterior Doors, Fireproof exterior door. No ACM detected 9/2015.
- Lobby Floor: blue, grey, and brown mastic. No ACM detected 3/2016.
- ACM removed brown and black mastic in flooring and flooring adhesive from dorm rooms 402, 404, 409, and 411.
- Fireproof exterior door, ACM: non-detected. Tested 9/5/15.
- Lobby floor. Blue tile, black mastic, floor tile grey, brown mastic. ACM: none detected. Tested 3/4/16.

NO ACM FOUND IN THE FOLLOWING BUILDINGS:

- Atwood Residence Hall
- Beckman Hall
- Case Residence Hall
- Hoch-Shanahan Dining Commons
- F. W. Olin Science Center
- Garrett House (President's House)
- Linde Activities Center
- Linde Residence Hall
- Sontag Residence Hall
- Shanahan Center for Teaching and Learning
- Drinkward Residence Hall

KNOWN FRIABLE AND NON-FRIABLE ASBESTOS AT TCC's  
KECK GRADUATE INSTITUTE

DATE ASBESTOS DATA SUBMITTED FOR ANNUAL UPDATE: June, 2015. FOR RECENT ASBESTOS INFORMATION CONTACT THE COLLEGE FACILITIES DEPARTMENT.

ACADEMIC & ADMINISTRATION BLDG (535 WATSON Dr.)

- ACM mastic under linoleum in Rooms 161,163,148A, 148B, 133& 125 were removed in May 2000.
- Room 102, Floor tile, mastic, dry wall, and mud tested June, 2015. All tested materials were non-detected for ACM.
- Room 130, 3 walls. Floor tile-white, floor tile white-beige, drywall wall, drywall tape, mastic on wall. All materials tested no ACM detected. 9/26/2015.
- All other remaining mastic under linoleum may have ACM.

BUILDINGS TO BE INSPECTED FOR THE PRESENCE OF ACM

ACADEMIC & RESEARCH BLDG – 517 Watson Dr.

No current data, all building materials should be presumed positive for asbestos until tested.

## KNOWN FRIABLE AND NON-FRIABLE ASBESTOS AT TCC's

### PITZER COLLEGE

DATE ASBESTOS DATA SUBMITTED FOR ANNUAL UPDATE: 11/5/18. FOR RECENT ASBESTOS INFORMATION CONTACT THE COLLEGE FACILITIES DEPARTMENT.

#### 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 1995.
- Roof, Air Handler & Electric Room – ACM piping insulation was removed in 2002.
- ACM floor tile and mastic were removed on the stairs and landings and in various rooms throughout the building in 2002.
- ACM floor tile and mastic were removed on eight separate stair landings in 2002.
- Various ACM removed in 2009:
  - Entrance, restroom area of basement - Removed 9" Floor Tile/ Mastic – 100 % removal of material.
  - Sound Booth - Removed SAAC 50 sq. ft. on 5/21 plus 40 sq. ft.
  - Backstage AV Offices/Rooms - Removed floor tile/mastic and 1% WBJC wall assemblies 5/27/09
  - Removed TSI (Thermal System Insulation)
  - 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.
- Bernard & Fletcher Hall – Roof Equipment Corral – ACM Piping Insulation Removal – June 2012.
- Roof, Air Handler – ACM piping insulation was removed in August 1999.
- ACM floor tile and mastic were removed in Computer Room 105 in 2001.

#### FLETCHER

- ACM is contained in piping insulation and floor tile in various areas of the building.

- Bernard & Fletcher Hall – Roof Equipment Corral – ACM Piping Insulation Removal – June 2012.
- Roof, Air Handler – ACM piping insulation was removed in 1999.

### MEAD HALL

- Mead Hall – Rec Room 3rd Floor – ACM Floor Tile and Mastic Removal – May 2011.
- Mead Hall – Portion West Lobby – ACM Ceiling Removal – June 2009.
- ACM is contained in piping insulation and floor tile in various areas of the building.
- Basement hallways – ACM floor tile and mastic were 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 boiler stacks (from boiler to wall), hot water tank, pipe insulation, and pipe fittings were removed in June 2000.
- ACM floor tile and mastic were 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.
- McConnell Center – Lower Level, East Art Studio Small Section of Entrance – ACM Floor Tile Removal – July 2009
- Room 118 – ACM removed in July 2007
- Upper and lower Mechanical Rooms and Chiller Room – ACM pipe insulation from elbows, fittings and saddle supports were removed in January 2000.
- 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.
- West end of the East Studio Room and east end of Ceramics Room – ACM floor tile and mastic were removed in January 2000.
- Room 104 – ACM floor tile and mastic were removed in April 2003.
- Electrical Corral- brown corrugated cardboard-like material, white/black insulation, gray insulation inside barrel. No ACM detected.
- Electrical corral corrugated cardboard like material brown fibrous; white black insulation; gray insulation inside barrel. ACM: All none detected. 7/19/2016.

- 3200 ft<sup>2</sup> of ACM (vinyl asbestos tile and mastic) on the lower level of McConnell Center hallway was removed 5/2017.

### PRESIDENT'S HOUSE

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

### 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.
- Scott Hall – All Floors – ACM Removal from ceilings, floor tiles, flooring, dry wall ceiling, interior plaster joint compound – 2012
- Scott Hall – ACM Removal 1st and 2nd Floors East entry exterior plaster – 2012
- Machine room, air conditioning equipment – ACM piping insulation was removed in 1999.
- Boiler room – ACM boiler stack and piping insulation was removed in 1999.
- First and second floor, north hallways – ACM floor tile and mastic were removed in 2000.
- Second floor office 201 – ACM floor tile and mastic were removed in 2004.

### NO ACM FOUND IN THE FOLLOWING BUILDINGS

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

KNOWN FRIABLE AND NON-FRIABLE ASBESTOS AT TCC's  
POMONA COLLEGE

DATE ASBESTOS DATA SUBMITTED FOR ANNUAL UPDATE: 9/2018. FOR RECENT ASBESTOS INFORMATION CONTACT THE COLLEGE FACILITIES DEPARTMENT.

BLAISDELL HALL

- The hot water storage tank and insulation on piping positive for 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 1998.
- Completed removal of all accessible ACM pipe insulation from attic and basement in 2001.

BRACKETT OBSERVATORY

- ACM in roofing mastic.
- ACM floor tile and floor tile mastic were removed in 2000.

BRIDGES AUDITORIUM

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

BRIDGES HALL OF MUSIC AND LeBUS COURT

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

CARNEGIE BUILDING

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

CLARK I

- Basement crawl space – Cleaned up in 1998.
- Basement crawl space & tunnel – ACM piping insulation of steam and condensate was removed in 2001.

- No ACM in building except for ACM concealed in walls.

### CLARK III

- Basement crawl space & tunnel – ACM steam and condensate-piping insulation was removed in 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 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 1997.
- Ballroom – ACM acoustical ceiling was removed in 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 2000.
- ACM linoleum present in the storage area at first floor.

### HARWOOD COURT

- ACM present in the attic and in some walls.

### KENYON HOUSE

- ACM present in linoleum in the Copy Room.

### MASON HALL

- Building renovated in 2007. All ACMs removed.

### MONTGOMERY ART BUILDING

- Attic – ACM steam pipe insulation to the air handler was removed in 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 1996.
- West Gallery & Print/Study – ACM floor tile and mastic were removed in 2000.

### MUDD HALL

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

### OLDENBURG 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 ACM 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 flooring removed throughout building in 2018.

### 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 were removed in the spring of 1997.

### WALKER HALL

- Student Rooms – ACM floor tile and mastic were 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.

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 AT TCC's

### SCRIPPS COLLEGE

DATE ASBESTOS DATA SUBMITTED FOR ANNUAL UPDATE: 12/2015. FOR RECENT ASBESTOS INFORMATION CONTACT THE COLLEGE FACILITIES DEPARTMENT.

#### BALCH HALL

- All accessible ACM was removed in the fall of 1991. ACM may remain in inaccessible locations.
- ACM in ceiling and walls was removed from 79 locations – ACM remains in other locations.
- 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. Non-accessible ACM may remain in place.
- ACM found in roofing mastic, analyzed in June 2005.

#### BROWNING HALL

- All ACM was removed in the summer of 1995, except that concealed in walls which remain.
- 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 which remain.

### 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 is present in the 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 which remain.

### REVELLE HOUSE

- ACM present in the 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 present 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.

1268 N COLLEGE AVE. HOUSE

- Skim coat and stucco/wall and ceiling, pink= < 1% asbestos. Tested 12/15.
- Skim coat and stucco/wall and ceiling, white= No ACM detected. Tested 12/15.

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 AT TCC's

### THE CLAREMONT COLLEGES SERVICES

DATE ASBESTOS DATA SUBMITTED FOR ANNUAL UPDATE: 10/2017. FOR RECENT ASBESTOS INFORMATION CONTACT THE FACILITIES DEPARTMENT.

#### BERNARD FIELD STATION (OLD INFIRMARY BUILDING)

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

#### HONNOLD LIBRARY

- Third Floor, CUC Conference Room. Brown threshold glue= <1% anthophyllite. Floor tile beige/mastic and black/glue brown = 5% chrysotile. Floor tile beige mastic, black/glue brown = 3% chrysotile. Floor tile beige mastic, black/glue brown= none detected. Tested 2/16.
- All Floors – ACM floor tile, base and mastic were 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 ACM that concealed in walls.
- All Floors – ACM steam, heating and domestic hot water insulation was removed in June 2000, except ACM that was that concealed in walls.
- Second Floor Fireproofing, beige: ACM Not Detected. Tested 10/26/17.

#### HUNTLEY BOOKSTORE

- Basement – ACM 9 X 9 floor tile and mastic (surveyed in May 2004).
- ACM present in 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 2000.

### OFFICE OF BLACK STUDENT AFFAIRS

- Office, 1391/2 7<sup>th</sup> Street: Restroom 104, ACM present, Layer B, 20% chrysotile, brown sheet flooring and mastic (sampled 2014)
- ACM present in roof at penetrations, seams and patches, 5% chrysotile (sampled 2014)

### PENDLETON BUSINESS BUILDING

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

### NO ACM FOUND IN THE FOLLOWING BUILDINGS:

- Administrative Campus Center
- Facilities Office
- Dartmouth House (Formally known as: 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.

**END OF REPORT**