NARRATIVE REPORT

1.0 BUILDING INFORMATION

Dolve Hall was originally constructed in 1951; a 1964 addition extended the building to the west and added a 2nd floor level over the south end of the building.

Dolve Hall is a three-story, 49,685 ft^2 building which primarily serves as classroom and office space for engineering and architecture personnel. Construction Management Engineering (A094) is attached to the west side of Dolve Hall and is reported separately; Engineering Quonset (A019) is attached to the north side of Dolve Hall and is reported separately; and Architecture (A064) and Engineering Administration (A063) are attached via skyways to the south side of Dolve Hall and are reported separately; the skyways do not contain suspects asbestos containing materials.

The interior floor finishes included floor tile, sheet vinyl flooring, concrete, and carpet; the interior wall finishes included brick, concrete block, ceramic block, gypsum wallboard, concrete, and plaster; and the interior ceiling finishes included ceiling tile, plaster, concrete, and metal. The roofing system is a flat rubber-membrane roof and the exterior of the structure is brick.

The piping systems were insulated; fiberglass insulation (with and without hard fittings), mag block insulation (with hard fittings), and millboard insulation (with hard fittings) are located throughout the building. Steam and domestic water enter the building via tunnel in room 1. HVAC systems located in the building consisted of steam unit heaters, steam radiators, and forced air furnaces equipped with heating/cooling coils.

2.0 ASBESTOS SURVEY INFORMATION

Dolve Hall was surveyed as part of a larger project on NDSU's Fargo, ND Campus. This report is part of "Volume 2" of a nine volume series. This report includes building specific information only; please refer to the opening section of "Volume 2" for methodologies, definitions, and other pertinent supporting information.

A total of 89 samples were collected from suspect asbestos-containing materials (ACM) from Dolve Hall on July 25, 2007 and an additional 14 samples were collected on May 7, 2008. Laboratory analysis results indicate **28 of these samples tested positive for asbestos**.

2.1 Suspect Materials Identified and Sampled

Stair Tread Adhesive
Carpet Mastic
Floor Tile Mastic (6 types)
Fiberglass Ceiling Panel Coating
Gypsum Wallboard (2 types)
Textured Paint
Exterior Building Seam Caulk
Exterior Window Caulk
Hard Plaster- Basecoat
Wall Texture
Millboard Pipe Insulation
Mag Block Pipe Insulation
Baseboard Adhesive
Floor Tile (6 types)
Ceiling Tile (10 types)
Joint Compound (2 types)
Glue Puck
Fireproofing (2 types)
Exterior Door Caulk
Red Firestop
Hard Plaster- Skimcoat
Hard Plaster- Monocoat
Hard Fittings on Millboard Insulation
Hard Fittings on Mag Block Insulation

Tank Insulation (2 types)
Sheet Vinyl Flooring
Window Sill Material
Window Glazing (2 types)
Hard Pack on Fiberglass Insulation
Hard Fitting on Fiberglass Insulation
Sheet Vinyl Flooring Adhesive
Sink Undercoating
Rainleader Bowl Insulation
Exterior Window Glazing (2 types)

The Asbestos Bulk Sample Results Table includes asbestos sampling data.

2.2 Asbestos Containing Materials

12" Red Floor Tile and Mastic
2'x4' Ceiling Tile with Star Patterns
2'x4' Ceiling Tile with Large and Small Pinholes
Millboard Pipe Insulation
Hard Fitting on Millboard Insulation
Mag Block Pipe Insulation
Hard Fitting on Mag Block Insulation
Tank #18-001-04 Insulation
Tank #18-001-07 Insulation
Hard Fittings on Fiberglass Insulation
Hard Pack on Fiberglass Insulation
12" Off-White Floor Tile with Brown/Gray Streaks
12" Off-White Floor Tile with Brown
Window Sill Material
Gray Sink/Counter System Undercoating
Rainleader Bowl Insulation
9" Floor Tile and Mastic (assumed)

The ACM Locations/ Friable Materials Assessments Table includes ACM locations data.

2.3 Cost Estimates

Legend Technical Services Inc. estimates abatement costs (removal & disposal) of ACM for Dolve Hall as follows:

ACM	QUANTITY	UNIT COST	TOTAL COST
Asbestos Floor Tile and/or Mastic (all types)	15,455 ft^2	$4.00/$ft^2$	$61,820.00
Asbestos Sink Undercoating	1 ea	$150.00/ea	$150.00
Asbestos Window Sill Material	16 ea	$150.00/ea	$2,250.00
Asbestos Hard Fittings on Fiberglass Insulation	140 ea	$60.00/ea	$8,400.00
Asbestos Hard Pack on Fiberglass Insulation	21 ea	$60.00/ea	$1,260.00
Asbestos Mag Block Pipe Insulation	1,558 ft	$25.00/ ft	$28,950.00
Asbestos Hard Fitting on Mag Block Insulation	170 ea	$25.00/ea	$4,250.00
Asbestos Millboard Pipe Insulation	1,190 ft	$25.00/ft	$29,750.00
Asbestos Hard Fitting on Millboard Insulation	70 ea	$25.00/ea	$1,750.00
Asbestos Tank Insulations (all types)	17 ft^2	$50.00/$ft^2$	$850.00

Asbestos Ceiling Tile (all types)	5,346 ft^2	$5.00/$ft^2$	$26,730.00
Asbestos Rainleader Bowl Insulation	1 ea	$60.00/ea	$60.00
Total Estimated Abatement Costs:			**$166,220.00**

2.4 **Survey Notes**

LEGEND identified and sampled 2 types (homogeneous areas) of 2'x4' Ceiling Tile with Large and Small Pinholes: 1 type from Hallway 288 by Room 201 and 1 type from Room 5 and Hallway 188C by Room 101; only 1 type tested positive for asbestos. The differences between the 2 types of ceiling tile are very subtle, with the ACM ceiling tile having a gray interior and the non-ACM tile having a yellow interior. LEGEND was unable to determine whether individual tiles were ACM or non-ACM as each tile must be physically damaged to determine the interior color. LEGEND considers all 2'x4' Ceiling Tile with Large and Small Pinholes throughout the building to be ACM.

LEGEND TECHNICAL SERVICES, INC.

ACM LOCATIONS/FRIABLE MATERIALS ASSESSMENTS TABLE

LEGEND No. 0700048 (NDSU)
DOLVE HALL (BUILDING A018)

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL LOW MOD HIGH	ASSESS. CAT.[1]	NOTES
Room 1 Abated June 2025							
~~Hard Fittings on Fiberglass Insulation~~	0-35% Chrysotile 0-10% Amosite	15 fittings	Friable TSI	Good	Physical ☐☐■ Air Erosion ☐☐■ Vibration ☐☐■	6	The asbestos hard fittings on fiberglass insulation are throughout the room.
~~Hard Pack on Fiberglass Insulation~~	10% Chrysotile 10% Amosite	8 ea	Friable TSI	Good	Physical ☐☐■ Air Erosion ☐☐■ Vibration ☐☐■	6	The asbestos hard packs on fiberglass insulation are throughout the room.
~~Mag Block Pipe Insulation~~	0-20% Amosite 0-20% Chrysotile	120 ft	Friable TSI	Good	Physical ☐☐■ Air Erosion ☐☐■ Vibration ☐☐■	6	The asbestos mag block insulation is throughout the room.
~~Hard Fittings on Mag Block Insulation~~	25% Chrysotile	18 fittings	Friable TSI	Good	Physical ☐☐■ Air Erosion ☐☐■ Vibration ☐☐■	6	None
~~Tank #18-001-04 Insulation~~	10% Chrysotile 10-20% Amosite	12 ft²	Friable TSI	Good	Physical ☐☐■ Air Erosion ☐☐■ Vibration ☐☐■	6	The asbestos tank insulation is on tank # 18-001-04 in the northeast corner of the room.
~~Tank #18-001-07 Insulation~~	10% Chrysotile 10-20% Amosite	5 ft²	Friable TSI	Good	Physical ☐☐■ Air Erosion ☐☐■ Vibration ☐☐■	6	The asbestos tank insulation is on tank # 18-001-07 in the northeast corner of the room.
Room 2 Abated June 2025							
~~Hard Fittings on Fiberglass Insulation~~	0-35% Chrysotile 0-10% Amosite	13 fittings	Friable TSI	Good	Physical ☐☐■ Air ☐■☐ Erosion ☐■☐	6	The asbestos hard fittings on fiberglass insulation are throughout the room.
~~Hard Pack on Fiberglass Insulation~~	10% Chrysotile 10% Amosite	2 ea	Friable TSI	Good	Physical ☐☐■ Air ☐■☐ Erosion ☐■☐	6	The asbestos hard packs on fiberglass insulation are along the ceiling in the southwest corner of the room.
~~Mag Block Pipe Insulation~~	0-20% Amosite 0-20% Chrysotile	45 ft	Friable TSI	Good	Physical ☐☐■ Air ☐☐■ Erosion ☐☐■	6	The asbestos mag block pipe insulation is along the north and south wall.

* = Non-Friable materials were not assessed

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL LOW MOD HIGH	ASSESS. CAT.[1]	NOTES
~~Hard Fittings on Mag Block Insulation~~	25% Chrysotile	1 fitting	Friable TSI	Good	Physical ☐☐■ Air ☐☐■ Erosion ☐☐■	6	None
Room 3 Abated June 2025							
~~Hard Fittings on Fiberglass Insulation~~	0-35% Chrysotile 0-10% Amosite	9 fittings	Friable TSI	Good	Physical ☐■☐ Air ☐■☐ Erosion ☐■☐	5	The asbestos hard fittings on fiberglass insulation are above the ceiling tile along the south wall.
~~Millboard Pipe Insulation~~	0-50% Chrysotile	52 ft	Friable TSI	Good	Physical ☐■☐ Air ☐■☐ Erosion ☐■☐	5	The asbestos millboard pipe insulation is above the ceiling tile along the south wall.
Room 3A Abated June 2025							
~~Hard Fittings on Fiberglass Insulation~~	0-35% Chrysotile 0-10% Amosite	1 fitting	Friable TSI	Good	Physical ☐■☐ Air ☐■☐ Erosion ☐■☐	5	The asbestos hard fitting on fiberglass insulation is above the ceiling tile along the south wall.
~~Millboard Pipe Insulation~~	0-50% Chrysotile	48 ft	Friable TSI	Good	Physical ☐■☐ Air ☐■☐ Erosion ☐■☐	5	The asbestos millboard pipe insulation is above the ceiling tile along the south and north walls.
~~Hard Fittings on Millboard Insulation~~	25% Chrysotile 5% Amosite	4 fittings	Friable TSI	Good	Physical ☐■☐ Air ☐■☐ Erosion ☐■☐	5	None
Room 3C Abated June 2025							
~~Hard Fittings on Fiberglass Insulation~~	0-35% Chrysotile 0-10% Amosite	4 fittings	Friable TSI	Good	Physical ☐■☐ Air ☐■☐ Erosion ☐■☐	5	The asbestos hard fitting on fiberglass insulation is above the ceiling tile along the south wall.
~~Millboard Pipe Insulation~~	0-50% Chrysotile	24 ft	Friable TSI	Good	Physical ☐■☐ Air ☐■☐ Erosion ☐■☐	5	The asbestos millboard pipe insulation is above the ceiling tile along the south wall.

* = Non-Friable materials were not assessed

LEGEND TECHNICAL SERVICES, INC.

ACM LOCATIONS/FRIABLE MATERIALS ASSESSMENTS TABLE

LEGEND No. 0700048 (NDSU)
DOLVE HALL (BUILDING A018)

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL LOW MOD HIGH	ASSESS. CAT.[1]	NOTES
Room 4 Abated June 2025							
~~Hard Fittings on Fiberglass Insulation~~	0-35% Chrysotile 0-10% Amosite	4 fittings	Friable TSI	Good	Physical ☐☐■ Air Erosion ☐☐■ Vibration ☐☐■	6	The asbestos hard fittings on fiberglass insulation are along the south end of the room.
~~Mag Block Pipe Insulation~~	0-20% Amosite 0-20% Chrysotile	26 ft	Friable TSI	Good	Physical ☐☐■ Air Erosion ☐☐■ Vibration ☐☐■	6	The asbestos mag block pipe insulation is along the south end of the room.
~~Hard Fittings on Mag Block Insulation~~	25% Chrysotile	6 fittings	Friable TSI	Good	Physical ☐☐■ Air Erosion ☐☐■ Vibration ☐☐■	6	None
~~Millboard Pipe Insulation~~	0-50% Chrysotile	27 ft	Friable TSI	Good	Physical ☐☐■ Air Erosion ☐☐■ Vibration ☐☐■	6	The asbestos millboard pipe insulation is along the south end of the room.
Room 5 Abated June 2025							
~~2'x 4' Ceiling Tile with Large and Small Pinholes~~	0-10% Amosite	497 ft²	Friable Surfacing	Good	Physical ☐☐■ Air Erosion ☐■☐ Vibration ■☐☐	6	The asbestos 2'x 4' ceiling tile is on the west end of the room.
~~Hard Fittings on Fiberglass Insulation~~	0-35% Chrysotile 0-10% Amosite	3 fittings	Friable TSI	Good	Physical ☐☐■ Air Erosion ☐☐■ Vibration ☐☐■	6	The asbestos hard fittings on fiberglass insulation are along the south wall.
~~Mag Block Pipe Insulation~~	0-20% Amosite 0-20% Chrysotile	149 ft	Friable TSI	Damaged	Physical ☐☐■ Air Erosion ☐☐■ Vibration ☐☐■	1	The asbestos mag block pipe insulation is along the south and east walls.
~~Hard Fittings on Mag Block Insulation~~	25% Chryostile	21 fittings	Friable TSI	Damaged	Physical ☐☐■ Air Erosion ☐☐■ Vibration ☐☐■	1	None
~~Millboard Pipe Insulation~~	0-50% Chrysotile	85 ft	Friable TSI	Good	Physical ☐☐■ Air Erosion ☐☐■ Vibration ☐☐■	1	The asbestos millboard pipe insulation is along the south wall.

* = Non-Friable materials were not assessed

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL LOW MOD HIGH	ASSESS. CAT.[1]	NOTES
Room 8 Abated June 2025							
~~Hard Fittings on Fiberglass Insulation~~	0-35% Chrysotile 0-10% Amosite	1 fitting	Friable TSI	Good	Physical ☐☐■ Air Erosion ■☐☐ Vibration ■☐☐	6	The asbestos hard fitting on fiberglass insulation is along the south wall.
Room 13 Abated June 2025							
~~Mag Block Pipe Insulation~~	0-20% Amosite 0-20% Chrysotile	44 ft	Friable TSI	Damaged	Physical ☐☐■ Air Erosion ☐☐■ Vibration ☐☐■	1	The asbestos mag block pipe insulation is throughout the room.
~~Hard Fittings on Mag Block Insulation~~	25% Chrysotile	7 fittings	Friable TSI	Damaged	Physical ☐☐■ Air Erosion ☐☐■ Vibration ☐☐■	1	None
~~Millboard Pipe Insulation~~	0-50% Chrysotile	32 ft	Friable TSI	Damaged	Physical ☐☐■ Air Erosion ☐☐■ Vibration ☐☐■	1	The asbestos millboard pipe insulation is throughout the room.
~~Hard Fittings on Millboard Insulation~~	25% Chrysotile 5% Amosite	9 fittings	Friable TSI	Damaged	Physical ☐☐■ Air Erosion ☐☐■ Vibration ☐☐■	1	None
Room 13A Abated June 2025							
~~Mag Block Pipe Insulation~~	0-20% Amosite 0-20% Chrysotile	38 ft	Friable TSI	Good	Physical ☐☐■ Air Erosion ☐☐■ Vibration ☐☐■	6	The asbestos mag block pipe insulation is along the east wall.
~~Hard Fittings on Mag Block Insulation~~	25% Chrysotile	14 fittings	Friable TSI	Good	Physical ☐☐■ Air Erosion ☐☐■ Vibration ☐☐■	6	None
~~Millboard Pipe Insulation~~	0-50% Chrysotile	30 ft	Friable TSI	Good	Physical ☐☐■ Air Erosion ☐☐■ Vibration ☐☐■	6	The asbestos millboard pipe insulation is along the east wall.
~~Hard Fitting on Millboard Insulation~~	25% Chrysotile 5% Amosite	12 fittings	Friable TSI	Good	Physical ☐☐■ Air Erosion ☐☐■ Vibration ☐☐■	6	None

* = Non-Friable materials were not assessed

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL LOW MOD HIGH	ASSESS. CAT.[1]	NOTES
Room 14A Abated June 2025							
~~Hard Fittings on Fiberglass Insulation~~	0-35% Chrysotile 0-10% Amosite	5 fittings	Friable TSI	Good	Physical ☐☐■ Air Erosion ☐■☐ Vibration ☐■☐	6	The asbestos hard fittings on fiberglass insulation are along the north and west walls.
Room 15 Abated June 2025							
~~Hard Fittings on Fiberglass Insulation~~	0-35% Chrysotile 0-10% Amosite	3 fittings	Friable TSI	Good	Physical ☐☐■ Air Erosion ☐■☐ Vibration ☐■☐	6	The asbestos hard fittings on fiberglass insulation are along the south wall.
~~Hard Pack on Fiberglass Insulation~~	10% Chrysotile 10% Amosite	2 ea	Friable TSI	Good	Physical ☐☐■ Air Erosion ☐■☐ Vibration ☐■☐	6	The asbestos hard packs on fiberglass insulation are along the south wall.
~~Mag Block Pipe Insulation~~	0-20% Amosite 0-20% Chrysotile	30 ft	Friable TSI	Good	Physical ☐☐■ Air Erosion ☐■☐ Vibration ☐■☐	6	The asbestos mag block pipe insulation is in the center of the room.
~~Hard Fittings on Mag Block Insulation~~	25% Chrysotile	2 fittings	Friable TSI	Good	Physical ☐☐■ Air Erosion ☐■☐ Vibration ☐■☐	6	None
~~Millboard Pipe Insulation~~	0-50% Chrysotile	16 ft	Friable TSI	Good	Physical ☐☐■ Air Erosion ☐■☐ Vibration ☐■☐	6	The asbestos millboard pipe insulation is in the center of the room.
Hallway 88 Abated June 2025							
~~Hard Fittings on Fiberglass Insulation~~	0-35% Chrysotile 0-10% Amosite	9 fittings	Friable TSI	Good	Physical ☐☐■ Air Erosion ☐■☐ Vibration ☐■☐	6	The asbestos hard fittings on fiberglass insulation are throughout the hallway.
~~Mag Block Pipe Insulation~~	0-20% Amosite 0-20% Chrysotile	31 ft	Friable TSI	Good	Physical ☐☐■ Air Erosion ☐■☐ Vibration ☐■☐	6	The asbestos mag block pipe insulation is adjacent to rooms 3 and 7.
~~Hard Fittings on Mag Block Insulation~~	25% Chrysotile	1 fitting	Friable TSI	Good	Physical ☐☐■ Air Erosion ☐■☐ Vibration ☐■☐	6	None

* = Non-Friable materials were not assessed

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL LOW MOD HIGH	ASSESS. CAT.[1]	NOTES
~~Millboard Pipe Insulation~~	0-50% Chrysotile	16 ft	Friable TSI	Good	Good Physical □□■ Air □■□ Erosion □■□		The asbestos millboard pipe insulation is adjacent to room 3.
Room 101 Abated May 2017							
~~9" Floor Tile and Mastic~~	Assumed	239 ft²	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs.
Room 103 Now 101B Abated May 2017							
~~9" Floor Tile and Mastic~~	Assumed	124 ft²	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs.
~~Hard Fittings on Fiberglass Insulation~~	0-35% Chrysotile 0-10% Amosite	2 fittings	Friable TSI	Good	Physical □□■ Air Erosion □■□ Vibration □■□	6	The asbestos hard fittings on fiberglass insulation are along the southwest corner of the room.
Room 104 Now 101C Abated May 2017							
~~9" Floor Tile and Mastic~~	Assumed	120 ft²	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs.
~~Hard Fittings on Fiberglass Insulation~~	0-35% Chrysotile 0-10% Amosite	2 fittings	Friable TSI	Good	Physical □□■ Air Erosion □■□ Vibration □■□	6	The asbestos hard fittings on fiberglass insulation are along the southwest corner of the room.
Room 105 Now 101E Abated May 2017							
~~9" Floor Tile and Mastic~~	Assumed	120 ft²	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs.

* = Non-Friable materials were not assessed

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL LOW MOD HIGH	ASSESS. CAT.[1]	NOTES
Room 106 Now 102B Abated May 2017							
~~9" Floor Tile and Mastic~~	Assumed	120 ft²	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs.
Room 107 Now 102C Abated May 2017							
~~9" Floor Tile and Mastic~~	Assumed	120 ft²	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs.
Room 110 Abated May 2017							
~~9" Floor Tile and Mastic~~	Assumed	125 ft²	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs.
~~Hard Fittings on Fiberglass Insulation~~	0-35% Chrysotile 0-10% Amosite	3 fittings	Friable TSI	Good	Physical ☐☐■ Air Erosion ☐☐■ Vibration ☐☐■	6	The asbestos hard fittings on fiberglass insulation are along the south and west walls.
~~Mag Block Pipe Insulation~~	0-20% Amosite 0-20% Chrysotile	55 ft	Friable TSI	Good	Physical ☐☐■ Air Erosion ☐☐■ Vibration ☐☐■	6	The asbestos mag block pipe insulation is along the south and west walls.
~~Hard Fittings on Mag Block Insulation~~	25% Chrysotile	15 fittings	Friable TSI	Good	Physical ☐☐■ Air Erosion ☐☐■ Vibration ☐☐■	6	None
Room 111 Now 111A and 111B Abated May 2017							
~~9" Floor Tile and Mastic~~	Assumed	249 ft²	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs.

* = Non-Friable materials were not assessed

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL LOW MOD HIGH	ASSESS. CAT.[1]	NOTES
Room 112 Now 111C Abated May 2017							
~~9" Floor Tile and Mastic~~	Assumed	144 ft²	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs.
~~Hard Fittings on Fiberglass Insulation~~	0-35% Chrysotile 0-10% Amosite	3 fittings	Friable TSI	Good	Physical ■□□ Air Erosion ■□□ Vibration ■□□	7	The asbestos hard fittings on fiberglass insulation are above ceiling tile along the south wall.
Room 112A Now part of 111 Abated May 2017							
~~9" Floor Tile and Mastic~~	Assumed	12 ft²	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs.
Room 113 Now part of 111 Abated May 2017							
~~9" Floor Tile and Mastic~~	Assumed	72 ft²	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs.
Room 114 Now 111 and 111D Abated May 2017							
~~9" Floor Tile and Mastic~~	Assumed	280 ft²	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs.
Room 114A Now part of 111 Abated May 2017							
~~9" Floor Tile and Mastic~~	Assumed	12 ft²	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs.
Room 115 Now 111E and 111F Abated June 2017							
~~Hard Fittings on Fiberglass Insulation~~	0-35% Chrysotile 0-10% Amosite	8 fittings	Friable TSI	Good	Physical ■□□ Air Erosion ■□□ Vibration ■□□	7	The asbestos hard fittings on fiberglass insulation are above the ceiling tile along the south and east walls.

* = Non-Friable materials were not assessed

LEGEND TECHNICAL SERVICES, INC.

ACM LOCATIONS/FRIABLE MATERIALS ASSESSMENTS TABLE

LEGEND No. 0700048 (NDSU)
DOLVE HALL (BUILDING A018)

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL LOW MOD HIGH	ASSESS. CAT.[1]	NOTES
Room 116 Abated May 2017							
~~9" Floor Tile and Mastic~~	Assumed	199 ft²	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs.
~~2'x 4' Ceiling Tile with Large and Small Pinholes~~	0-10% Amosite	199 ft²	Friable Surfacing	Good	Physical □□■ Air Erosion □■□ Vibration ■□□	6	None
~~Window Sill Material~~	10% Chrysotile	1 ea	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The asbestos sill material is under the window along the north wall.
Room 117 Abated May 2017							
~~Hard Fittings on Fiberglass Insulation~~	0-35% Chrysotile 0-10% Amosite	2 fittings	Friable TSI	Good	Physical □□■ Air Erosion □■□ Vibration □■□	6	The asbestos hard fittings on fiberglass insulation are above the ceiling tile along the south and east walls.
Room 118 Abated May 2017							
~~Mag Block Pipe Insulation~~	0-20% Amosite 0-20% Chrysotile	25 ft	Friable TSI	Good	Physical ■□□ Air Erosion ■□□ Vibration ■□□	7	The asbestos mag block pipe insulation is along the east wall.
~~Hard Fittings on Mag Block Insulation~~	25% Chrysotile	4 fittings	Friable TSI	Good	Physical ■□□ Air Erosion ■□□ Vibration ■□□	7	None
Room 121 Abated June 2025							
~~9" Floor Tile and Mastic~~	Assumed	15 ft²	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs.

* = Non-Friable materials were not assessed

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL LOW MOD HIGH	ASSESS. CAT.[1]	NOTES
Room 123 Abated June 2025							
~~9" Floor Tile and Mastic~~	Assumed	634 ft²	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs.
~~Mag Block Pipe Insulation~~	0-20% Amosite 0-20% Chrysotile	72 ft	Friable TSI	Good	Physical ■□□ Air Erosion ■□□ Vibration ■□□	7	The asbestos mag block pipe insulation is the ceiling tile along the east end of the room.
~~Hard Fittings on Mag Block Insulation~~	25% Chrysotile	17 fittings	Friable TSI	Good	Physical ■□□ Air Erosion ■□□ Vibration ■□□	7	None
~~Millboard Pipe Insulation~~	0-50% Chrysotile	150 ft	Friable TSI	Good	Physical ■□□ Air Erosion ■□□ Vibration ■□□	7	The asbestos millboard pipe insulation is above the ceiling tile along the west end of the room.
~~Hard Fittings on Millboard Insulation~~	25% Chrysotile 5% Amosite	14 fittings	Friable TSI	Good	Physical ■□□ Air Erosion ■□□ Vibration ■□□	7	None
Room 124 Abated Oct 2016							
~~Mag Block Pipe Insulation~~	0-20% Amosite 0-20% Chrysotile	64 ft	Friable TSI	Good	Physical ■□□ Air Erosion ■□□ Vibration ■□□	7	The asbestos mag block pipe insulation is the ceiling tile along the east end of the room.
~~Hard Fittings on Mag Block Insulation~~	25% Chrysotile	4 fittings	Friable TSI	Good	Physical ■□□ Air Erosion ■□□ Vibration ■□□	7	None
~~Millboard Pipe Insulation~~	0-50% Chrysotile	96 ft	Friable TSI	Good	Physical ■□□ Air Erosion ■□□ Vibration ■□□	7	The asbestos millboard pipe insulation is above the ceiling tile along the west end of the room.
~~Hard Fittings on Millboard Insulation~~	25% Chrysotile 5% Amosite	4 fittings	Friable TSI	Good	Physical ■□□ Air Erosion ■□□ Vibration ■□□	7	None

* = Non-Friable materials were not assessed

LEGEND TECHNICAL SERVICES, INC.

ACM LOCATIONS/FRIABLE MATERIALS ASSESSMENTS TABLE

LEGEND No. 0700048 (NDSU)
DOLVE HALL (BUILDING A018)

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL LOW MOD HIGH	ASSESS. CAT.[1]	NOTES
Room 125 Abated Oct 2016							
~~9" Floor Tile and Mastic~~	Assumed	635 ft²	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs.
~~Mag Block Pipe Insulation~~	0-20% Amosite 0-20% Chrysotile	75 ft	Friable TSI	Good	Physical ■□□ Air Erosion ■□□ Vibration ■□□	7	The asbestos mag block pipe insulation is the ceiling tile along the east end of the room.
~~Hard Fittings on Mag Block Insulation~~	25% Chrysotile	6 fittings	Friable TSI	Good	Physical ■□□ Air Erosion ■□□ Vibration ■□□	7	None
~~Millboard Pipe Insulation~~	0-50% Chrysotile	64 ft	Friable TSI	Good	Physical ■□□ Air Erosion ■□□ Vibration ■□□	7	The asbestos millboard pipe insulation is above the ceiling tile along the west end of the room.
Room 126							
~~Mag Block Pipe Insulation~~ Abated June 2016	0-20% Amosite 0-20% Chrysotile	70 ft	Friable TSI	Good	Physical □□■ Air Erosion □□■ Vibration □□■	6	The asbestos mag block pipe insulation is along the ceiling on the east end of the room.
~~Hard Fittings on Mag Block Insulation~~ Abated June 2016	25% Chrysotile	4 fittings	Friable TSI	Good	Physical □□■ Air Erosion □□■ Vibration □□■	6	None
~~Millboard Pipe Insulation~~ Abated June 2016	0-50% Chrysotile	106 ft	Friable TSI	Good	Physical □□■ Air Erosion □□■ Vibration □□■	6	The asbestos millboard pipe insulation is along the ceiling on the west end of the room.
~~Hard Fittings on Millboard Insulation~~ Abated June 2016	25% Chrysotile 5% Amosite	5 fittings	Friable TSI	Good	Physical □□■ Air Erosion □□■ Vibration □□■	6	None
Gray Sink/Counter System Undercoating	10% Chrysotile	1 sink	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The asbestos undercoating is on the sink/counter system along the west wall.

* = Non-Friable materials were not assessed

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL LOW MOD HIGH	ASSESS. CAT.[1]	NOTES
Room 127 Abated June 2016							
~~Mag Block Pipe Insulation~~	0-20% Amosite 0-20% Chrysotile	92 ft	Friable TSI	Good	Physical ☐☐■ Air Erosion ☐☐■ Vibration ☐☐■	6	The asbestos mag block pipe insulation is throughout the room.
~~Hard Fittings on Mag Block Insulation~~	25% Chrysotile	12 fittings	Friable TSI	Good	Physical ☐☐■ Air Erosion ☐☐■ Vibration ☐☐■	6	None
Room 128							
Mag Block Pipe Insulation	0-20% Amosite 0-20% Chrysotile	140 ft	Friable TSI	Damaged	Physical ☐☐■ Air Erosion ☐☐■ Vibration ☐☐■	1	The asbestos mag block pipe insulation is along the center on the west end of the room.
Hard Fittings on Mag Block Insulation	25% Chrysotile	6 fittings	Friable TSI	Damaged	Physical ☐☐■ Air Erosion ☐☐■ Vibration ☐☐■	1	None
Millboard Pipe Insulation	0-50% Chrysotile	200 ft	Friable TSI	Damaged	Physical ☐☐■ Air Erosion ☐☐■ Vibration ☐☐■	1	The asbestos millboard pipe insulation is along the ceiling on the east end of the room.
Hard Fittings on Millboard Insulation	25% Chrysotile 5% Amosite	6 fittings	Friable TSI	Damaged	Physical ☐☐■ Air Erosion ☐☐■ Vibration ☐☐■	1	None
Room 129 (including the small entryway to room 199W2) Abated May 2009							
~~12 Off-Whit e Floor Tile with Brown~~	5% Chrysotile	80 ft²	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 12" off-white floor tile contains asbestos, only.
~~Mag Block Pipe Insulation~~	0-20% Amosite 0-20% Chrysotile	14 ft	Friable TSI	Good	Physical ■☐☐ Air Erosion ■☐☐ Vibration ■☐☐	7	The asbestos mag block pipe insulation is above the ceiling tile.
~~Millboard Pipe Insulation~~	0-50% Chrysotile	6 ft	Friable TSI	Damaged	Physical ■☐☐ Air Erosion ■☐☐ Vibration ■☐☐	1	The asbestos millboard pipe insulation is above the ceiling tile.

* = Non-Friable materials were not assessed

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL LOW MOD HIGH	ASSESS. CAT.[1]	NOTES
Room 131							
Hard Fittings on Fiberglass Insulation	0-35% Chrysotile 0-10% Amosite	31 fittings	Friable TSI	Good	Physical ☐☐■ Air Erosion ☐■☐ Vibration ☐■☐	6	The asbestos hard fittings on fiberglass insulation are throughout the room.
Hard Pack on Fiberglass Insulation	10% Chrysotile 10% Amosite	9 ea	Friable TSI	Good	Physical ☐☐■ Air Erosion ☐■☐ Vibration ☐■☐	6	The asbestos hard packs on fiberglass insulation are throughout the room.
Room 132							
Hard Fittings on Fiberglass Insulation	0-35% Chrysotile 0-10% Amosite	3 fittings	Friable TSI	Good	Physical ☐☐■ Air Erosion ☐■☐ Vibration ☐■☐	6	The asbestos hard fittings on fiberglass insulation are along the south wall.
Hard Pack on Fiberglass Insulation	10% Chrysotile 10% Amosite	2 ea	Friable TSI	Good	Physical ☐☐■ Air Erosion ☐■☐ Vibration ☐■☐	6	The asbestos hard packs on fiberglass insulation are along the south wall.
Room 133 Abated June 2016							
~~Hard Fittings on Fiberglass Insulation~~	0-35% Chrysotile 0-10% Amosite	2 fittings	Friable TSI	Good	Physical ☐☐■ Air Erosion ☐☐■ Vibration ☐☐■	6	The asbestos hard fittings on fiberglass insulation are along the ceiling on the west end of the room.
~~Mag Block Pipe Insulation~~	0-20% Amosite 0-20% Chrysotile	120 ft	Friable TSI	Good	Physical ☐☐■ Air Erosion ☐☐■ Vibration ☐☐■	6	The asbestos mag block insulation is along the ceiling on the west end of the room.
~~Hard Fittings on Mag Block Insulation~~	25% Chrysotile	6 fittings	Friable TSI	Good	Physical ☐☐■ Air Erosion ☐☐■ Vibration ☐☐■	6	None
~~Millboard Pipe Insulation~~	0-50% Chrysotile	110 ft	Friable TSI	Good	Physical ☐☐■ Air Erosion ☐☐■ Vibration ☐☐■	6	The asbestos millboard pipe insulation is along the ceiling on the east end of the room.
~~Hard Fittings on Millboard Insulation~~	25% Chrysotile 5% Amosite	2 fittings	Friable TSI	Good	Physical ☐☐■ Air Erosion ☐☐■ Vibration ☐☐■	6	None

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ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL LOW MOD HIGH	ASSESS. CAT.[1]	NOTES
Room 133A Abated June 2016							
~~Mag Block Pipe Insulation~~	0-20% Amosite 0-20% Chrysotile	16 ft	Friable TSI	Good	Physical □□■ Air Erosion □□■ Vibration □□■	6	The asbestos mag block insulation is above the gypsum wallboard.
Room 133B							
Hard Fittings on Fiberglass Insulation	0-35% Chrysotile 0-10% Amosite	12 fittings	Friable TSI	Good	Physical □□■ Air Erosion □□■ Vibration □□■	6	The asbestos hard fittings on fiberglass insulation are along the ceiling on throughout the room.
Room 134							
Mag Block Pipe Insulation	0-20% Amosite 0-20% Chrysotile	32 ft	Friable TSI	Good	Physical ■□□ Air Erosion ■□□ Vibration ■□□	7	The asbestos mag block insulation is above the ceiling tile in the center of the room.
Room 135 Abated June 2008							
~~9" Floor Tile and Mastic~~	Assumed	203 ft²	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs.
~~2'x 4' Ceiling Tile with Large and Small Pinholes~~	0-10% Amosite	47 ft²	Friable Surfacing	Good	Physical □□■ Air Erosion □■□ Vibration ■□□	6	The asbestos 2'x 4' ceiling tile is in the east room.
~~2'x 4' Ceiling Tile with Star Patterns~~	5% Amosite	156 ft²	Friable Surfacing	Good	Physical □□■ Air Erosion □■□ Vibration ■□□	6	The asbestos 2'x 4' ceiling tile is in the west room.
~~Mag Block Pipe Insulation~~	0-20% Amosite 0-20% Chrysotile	20 ft	Friable TSI	Good	Physical ■□□ Air Erosion ■□□ Vibration ■□□	7	The asbestos mag block pipe insulation is above the ceiling tile in the west room.

* = Non-Friable materials were not assessed

LEGEND TECHNICAL SERVICES, INC.

ACM LOCATIONS/FRIABLE MATERIALS ASSESSMENTS TABLE

LEGEND No. 0700048 (NDSU)
DOLVE HALL (BUILDING A018)

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL LOW MOD HIGH	ASSESS. CAT.[1]	NOTES
Room 137							
~~12 Off-Whit e Floor Tile with Brown~~ Abated August 2015	5% Chrysotile	80 ft²	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 12" off-white floor tile contains asbestos, only; Refer to ACM Locations Map for further information.
Hard Fittings on Fiberglass Insulation	0-35% Chrysotile 0-10% Amosite	5 fittings	Friable TSI	Good	Physical ■□□ Air Erosion ■□□ Vibration ■□□	7	The asbestos hard fittings on fiberglass insulation are above the ceiling tile along the west end of the room.
Mag Block Pipe Insulation	0-20% Amosite 0-20% Chrysotile	200 ft	Friable TSI	Good	Physical □□■ Air Erosion □■□ Vibration □■□	6	The asbestos mag block insulation is above and below the ceiling tile along the center and south ends of the room.
Hard Fittings on Mag Block Insulation	25% Chrysotile	10 fittings	Friable TSI	Good	Physical □□■ Air Erosion □■□ Vibration □■□	6	None
Millboard Pipe Insulation	0-50% Chrysotile	86 ft	Friable TSI	Good	Physical □□■ Air Erosion □■□ Vibration □■□	6	The asbestos millboard pipe insulation is above and below the ceiling tile on the south end of the room.
Hard Fittings on Millboard Insulation	25% Chrysotile 5% Amosite	8 fittings	Friable TSI	Good	Physical □□■ Air Erosion □■□ Vibration □■□	6	None
Room 138 Abated June 2016 Room renamed 137A.							
~~9" Floor Tile and Mastic~~	Assumed	101 ft²	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs.
Room 139							
9" Floor Tile and Mastic	Assumed	14 ft²	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs.

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ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL LOW MOD HIGH	ASSESS. CAT.[1]	NOTES
Room 140 Abated June 2016 Room renamed 137B.							
~~12" Off-Whit e Floor Tile with Brown~~	5% Chrysotile	121 ft²	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 12" off-white floor tile contains asbestos, only.
Room 142							
Hard Fittings on Fiberglass Insulation	0-35% Chrysotile 0-10% Amosite	5 fittings	Friable TSI	Good	Physical ☐☐■ Air Erosion ☐☐■ Vibration ☐☐■	6	The asbestos hard fittings on fiberglass insulation are along the ceiling throughout the room.
Room 143							
12" Red Floor Tile and Mastic	2-5% Chrysotile	130 ft²	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 12" red floor tile and mastic contain asbestos.
Hallway 188							
~~9" Floor Tile and Mastic~~ Abated June 2016	Assumed	928 ft²	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs.
Hallway 188A							
~~9" Floor Tile and Mastic~~ Abated June 2016	Assumed	85 ft²	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs.
Hallway 188B							
~~9" Floor Tile and Mastic~~ Abated June 2016	Assumed	341 ft²	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs.
~~2'x 4' Ceiling Tile with Large and Small Pinholes~~ Abated June 2016	0-10% Amosite	326 ft²	Friable Surfacing	Good	Physical ☐☐■ Air Erosion ☐■☐ Vibration ■☐☐	6	None

* = Non-Friable materials were not assessed

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL LOW MOD HIGH	ASSESS. CAT.[1]	NOTES
Hallway 188C Ceiling tiles between 110 and 118 removed Feb 2016							
~~9" Floor Tile and Mastic~~ Abated May 2017	Assumed	738 ft²	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs.
~~2'x 4' Ceiling Tile with Large and Small Pinholes~~ Abated May 2017	0-10% Amosite	738 ft²	Friable Surfacing	Good	Physical □□■ Air Erosion □■□ Vibration ■□□	6	None
~~Hard Fittings on Fiberglass Insulation~~ Abated May 2017	0-35% Chrysotile 0-10% Amosite	2 fittings	Friable TSI	Good	Physical ■□□ Air Erosion ■□□ Vibration ■□□	7	The asbestos hard fittings on fiberglass insulation are above the ceiling tile on the east end of the hallway.
Hallway 188D Abated June 2016							
~~9" Floor Tile and Mastic~~	Assumed	326 ft²	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs.
~~2'x 4' Ceiling Tile with Large and Small Pinholes~~	0-10% Amosite	326 ft²	Friable Surfacing	Good	Physical □□■ Air Erosion □■□ Vibration ■□□	6	None
Hallway 188F (includes hallway from room 127 to 142) Ceiling tiles between 132 and 133B removed Feb 2016							
~~9" Floor Tile and Mastic~~ Abated June 2016	Assumed	1,249 ft²	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs.
~~2'x 4' Ceiling Tile with Large and Small Pinholes~~ Abated June 2016	0-10% Amosite	326 ft²	Friable Surfacing	Good	Physical □□■ Air Erosion □■□ Vibration ■□□	6	Refer to ACM Locations Map for further information.
Mag Block Pipe Insulation	0-20% Amosite 0-20% Chrysotile	18 ft	Friable TSI	Good	Physical ■□□ Air Erosion ■□□ Vibration ■□□	7	Refer to ACM Locations Map for further information.
Millboard Pipe Insulation	0-50% Chrysotile	12 ft	Friable TSI	Good	Physical ■□□ Air Erosion ■□□ Vibration ■□□	7	Refer to ACM Locations Map for further information.

* = Non-Friable materials were not assessed

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL LOW MOD HIGH	ASSESS. CAT.[1]	NOTES
Room 199M Abated May 2017							
~~9" Floor Tile and Mastic~~	Assumed	185 ft²	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs.
Room 199M1 Abated March 2015							
~~9" Floor Tile and Mastic~~	Assumed	185 ft²	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs.
Room 199M2 Abated May 2009							
~~12 Off-Whit e Floor Tile with Brown~~	5% Chrysotile	133 ft²	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 12" off-white floor tile contains asbestos, only.
~~Mag Block Pipe Insulation~~	0-20% Amosite 0-20% Chrysotile	11 ft	Friable TSI	Damaged	Physical ■□□ Air Erosion ■□□ Vibration ■□□	1	The asbestos mag block pipe insulation is above the ceiling tile.
~~Millboard Pipe Insulation~~	0-50% Chrysotile	10 ft	Friable TSI	Damaged	Physical ■□□ Air Erosion ■□□ Vibration ■□□	1	The asbestos millboard pipe insulation is above the ceiling tile.
~~Hard Fittings on Millboard Insulation~~	25% Chrysotile 5% Amosite	2 fittings	Friable TSI	Damaged	Physical ■□□ Air Erosion ■□□ Vibration ■□□	1	None
Room 199W Abated June 2025							
~~9" Floor Tile and Mastic~~	Assumed	84 ft²	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs.

* = Non-Friable materials were not assessed

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL LOW MOD HIGH	ASSESS. CAT.[1]	NOTES
Room 199W1 Abated June 2025							
~~9" Floor Tile and Mastic~~	Assumed	81 ft²	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs.
Room 199W2 Abated May 2009							
~~12 Off-Whit e Floor Tile with Brown~~	5% Chrysotile	139 ft²	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 12" off-white floor tile contains asbestos, only.
~~Mag Block Pipe Insulation~~	0-20% Amosite 0-20% Chrysotile	11 ft	Friable TSI	Damaged	Physical ■□□ Air Erosion ■□□ Vibration ■□□	1	The asbestos mag block pipe insulation is above the ceiling tile.
~~Millboard Pipe Insulation~~	0-50% Chrysotile	20 ft	Friable TSI	Damaged	Physical ■□□ Air Erosion ■□□ Vibration ■□□	1	The asbestos millboard pipe insulation is above the ceiling tile.
~~Hard Fittings on Millboard Insulation~~	25% Chrysotile 5% Amosite	4 fittings	Friable TSI	Damaged	Physical ■□□ Air Erosion ■□□ Vibration ■□□	1	None
Room 201 Abated August 2015							
~~9" Floor Tile and Mastic~~	Assumed	273 ft²	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs.
Room 201A							
~~9" Floor Tile and Mastic~~ Abated August 2015	Assumed	273 ft²	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs.
~~Window Sill Material~~ Abated May 2018	10% Chrysotile	2 ea	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The asbestos sill material is under the windows along the south wall.

* = Non-Friable materials were not assessed

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL LOW MOD HIGH	ASSESS. CAT.[1]	NOTES
Room 202 Abated June 2025							
~~9" Floor Tile and Mastic~~	Assumed	1,001 ft²	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs.
~~Window Sill Material~~ Abated May 2018	10% Chrysotile	3 ea	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The asbestos sill material is under the windows along the south wall.
Room 203 Abated June 2025							
~~Mag Block Pipe Insulation~~	0-20% Amosite 0-20% Chrysotile	20 ft	Friable TSI	Good	Physical ☐☐■ Air Erosion ☐☐■ Vibration ☐☐■	6	The asbestos mag block insulation is along the southwest end of the room.
~~Hard Fittings on Mag Block Insulation~~	25% Chrysotile	7 fittings	Friable TSI	Good	Physical ☐☐■ Air Erosion ☐☐■ Vibration ☐☐■	6	None
Room 204 Abated June 2025							
~~9" Floor Tile and Mastic~~	Assumed	667 ft²	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs.
~~Window Sill Material~~ Abated May 2018	10% Chrysotile	3 ea	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The asbestos sill material is under the windows along the south wall.
Room 205 Abated June 2025							
~~9" Floor Tile and Mastic~~	Assumed	103 ft²	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs.
~~2'x 4' Ceiling Tile with Large and Small Pinholes~~	0-10% Amosite	103 ft²	Friable Surfacing	Good	Physical ☐☐■ Air Erosion ☐■☐ Vibration ■☐☐	6	None

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ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL LOW MOD HIGH	ASSESS. CAT.[1]	NOTES
~~Hard Fitting on Fiberglass Insulation~~	0-35% Chrysotile 0-10% Amosite	1 fitting	Friable TSI	Good	Physical ■□□ Air ■□□ Erosion ■□□	7	The asbestos hard fitting on fiberglass insulation is above the ceiling tile along the north wall.
~~Rainleader Bowl Insulation~~	3% Chrysotile	1 ea	Friable TSI	Good	Physical ■□□ Air ■□□ Erosion ■□□	7	The asbestos rain leader bowl insulation is above the ceiling tile along the north wall.
Room 206 Abated June 2025							
~~9" Floor Tile and Mastic~~	Assumed	128 ft²	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs.
~~2'x 4' Ceiling Tile with Large and Small Pinholes~~	0-10% Amosite	128 ft²	Friable Surfacing	Good	Physical □□■ Air Erosion □■□ Vibration ■□□	6	None
~~Window Sill Material~~ Abated May 2018	10% Chrysotile	1 ea	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The asbestos sill material is under the window along the south wall.
Room 207 Abated June 2025							
~~9" Floor Tile and Mastic~~	Assumed	107 ft²	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs.
~~2'x 4' Ceiling Tile with Large and Small Pinholes~~	10% Amosite	107 ft²	Friable Surfacing	Good	Physical □□■ Air Erosion □■□ Vibration ■□□	6	None
~~Window Sill Material~~ Abated May 2018	10% Chrysotile	1 ea	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The asbestos sill material is under the window along the south wall.

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LEGEND TECHNICAL SERVICES, INC.

ACM LOCATIONS/FRIABLE MATERIALS ASSESSMENTS TABLE

LEGEND No. 0700048 (NDSU)
DOLVE HALL (BUILDING A018)

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL LOW MOD HIGH	ASSESS. CAT.[1]	NOTES
Room 208 Abated June 2025							
~~9" Floor Tile and Mastic~~	Assumed	230 ft²	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs.
~~2'x 4' Ceiling Tile with Large and Small Pinholes~~	0-10% Amosite	230 ft²	Friable Surfacing	Good	Physical ☐☐■ Air Erosion ☐■☐ Vibration ■☐☐	6	None
~~Window Sill Material~~ Abated May 2018	10% Chrysotile	1 ea	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The asbestos sill material is under the window along the south wall.
Room 209 Abated June 2025							
~~9" Floor Tile and Mastic~~	Assumed	76 ft²	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs.
~~2'x 4' Ceiling Tile with Large and Small Pinholes~~	0-10% Amosite	76 ft²	Friable Surfacing	Good	Physical ☐☐■ Air Erosion ☐■☐ Vibration ■☐☐	6	None
Room 210 Abated June 2025							
~~9" Floor Tile and Mastic~~	Assumed	214 ft²	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs.
~~2'x 4' Ceiling Tile with Large and Small Pinholes~~	0-10% Amosite	214 ft²	Friable Surfacing	Good	Physical ☐☐■ Air Erosion ☐■☐ Vibration ■☐☐	6	None
Room 212 Abated June 2025							
~~9" Floor Tile and Mastic~~	Assumed	991 ft²	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs.

* = Non-Friable materials were not assessed

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL LOW MOD HIGH	ASSESS. CAT.[1]	NOTES
~~Window Sill Material~~ Abated May 2018	10% Chrysotile	2 ea	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The asbestos sill material is under the windows along the north wall.
Room 213 Abated June 2025							
~~Mag Block Pipe Insulation~~	0-20% Amosite 0-20% Chrysotile	20 ft	Friable TSI	Good	Physical ☐☐■ Air Erosion ☐☐■ Vibration ☐☐■	6	The asbestos mag block insulation is throughout the room.
~~Hard Fittings on Mag Block Insulation~~	25% Chrysotile	9 fittings	Friable TSI	Good	Physical ☐☐■ Air Erosion ☐☐■ Vibration ☐☐■	6	None
Room 214 Abated June 2025							
~~9" Floor Tile and Mastic~~	Assumed	131 ft²	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs.
~~2'x 4' Ceiling Tile with Large and Small Pinholes~~	0-10% Amosite	131 ft²	Friable Surfacing	Good	Physical ☐☐■ Air Erosion ☐■☐ Vibration ■☐☐	6	None
Room 215 Abated June 2025							
~~9" Floor Tile and Mastic~~	Assumed	1,001 ft²	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs.
~~Window Sill Material~~ Abated May 2018	10% Chrysotile	2 ea	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The asbestos sill material is under the windows along the north wall.
Room 216 Abated June 2025							
~~9" Floor Tile and Mastic~~	Assumed	77 ft²	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs.

* = Non-Friable materials were not assessed

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL LOW MOD HIGH	ASSESS. CAT.[1]	NOTES
Room 219							
12" Off-Whit e Floor Tile with Brown/Gray Streaks	5% Chrysotile	115 ft²	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 12" off-white floor tile contains asbestos, only.
Hallway 288 Abated June 2025							
~~9" Floor Tile and Mastic~~	Assumed	1,267 ft²	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs.
~~2'x 4' Ceiling Tile with Large and Small Pinholes~~	0-10% Amosite	1,267 ft²	Friable Surfacing	Good	Physical ☐☐■ Air Erosion ☐■☐ Vibration ■☐☐	6	None
Hallway 288A Abated June 2025							
~~9" Floor Tile and Mastic~~	Assumed	146 ft²	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs.
Room 299M Abated July 2023							
~~9" Floor Tile and Mastic~~	Assumed	145 ft²	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs.
~~2'x 4' Ceiling Tile with Large and Small Pinholes~~	0-10% Amosite	145 ft²	Friable Surfacing	Good	Physical ☐☐■ Air Erosion ☐■☐ Vibration ■☐☐	6	None
East Stairway (basement-2nd floor) Abated June 2025							
~~9" Floor Tile and Mastic~~	Assumed	163 ft²	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs; refer to ACM Locations Map for further information

* = Non-Friable materials were not assessed

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL LOW MOD HIGH	ASSESS. CAT.[1]	NOTES
~~2'x 4' Ceiling Tile with Large and Small Pinholes~~	0-10% Amosite	180 ft²	Friable Surfacing	Good	Physical □□■ Air Erosion □■□ Vibration ■□□	6	Refer to ACM Locations Map for further information.

West Stairway (basement-2nd floor)

~~9" Floor Tile and Mastic~~	Assumed	163 ft²	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs; refer to ACM Locations Map for further information
~~2'x 4' Ceiling Tile with Large and Small Pinholes~~	0-10% Amosite	180 ft²	Friable Surfacing	Good	Physical □□■ Air Erosion □■□ Vibration ■□□	6	Refer to ACM Locations Map for further information.

[1]Assessment Categories:
1) Damaged or Significantly Damaged TSI ACM
2) Damaged Friable Surfacing ACM
3) Significantly Damaged Friable Surfacing ACM
4) Damaged or Significantly Damaged Friable Miscellaneous ACM
5) ACM with Potential for Damage
6) ACM with Potential for Significant Damage
7) Any Remaining Friable ACM or Friable Suspected ACM

End

* = Non-Friable materials were not assessed