

# NARRATIVE REPORT

## 1.0 BUILDING INFORMATION

Askanase Hall was originally constructed in 1966; a 1975 addition extended the building to the north and the west. Although specific information could not be located, several small renovations are evident.

Askanase Hall is a two-story, 28,226 ft<sup>2</sup> building which primarily serves as office areas and work areas for theater personnel.

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

The piping systems were insulated; fiberglass insulation (both with and without hard fittings), mag block insulation (with hard fittings, and neoprene insulation are located in the building. Steam enters the building in via a pit into room 113B and domestic water enters the building in room 155E. HVAC systems located in the building consisted of steam unit heaters, steam radiators, and forced air furnaces with equipped with heating/cooling coils.

## 2.0 ASBESTOS SURVEY INFORMATION

Askanase Hall was surveyed as part of a larger project on NDSU's Fargo, ND Campus. This report is part of "Volume 7" of a nine volume series. This report includes building specific information only; please refer to the opening section of "Volume 7" for methodologies, definitions, and other pertinent supporting information.

A total of 62 samples were collected from suspect asbestos-containing materials (ACM) from Askanase Hall on July 10, 2007, an additional 4 samples were collected on April 3, 2008, and an additional 1 sample was collected on April 23, 2008. Laboratory analysis results indicate **13 of these samples tested positive for asbestos.**

### 2.1 Suspect Materials Identified and Sampled

Ceiling Tile (5 types)	Floor Tile (2 types)
Floor Tile Mastic (2 types)	Mag Block Pipe Insulation
Encapsulant on Fiberglass Insulation	Hard Fittings on Fiberglass Insulation
Hard Pack on Fiberglass Insulation	Hard Plaster- Skimcoat (2 types)
Hard Plaster- Basecoat	Join Compound
Carpet Mastic	Canvas Duct Wrap
Baseboard Adhesive	Exterior Window Glazing (2 types)
Window Caulk	Exterior Door Caulk
Exterior Air Vent Caulk	Exterior Window Caulk
Window Sill Material	Window Glazing
Window/Door System Glazing	Gypsum Wallboard

The Asbestos Bulk Sample Results Table includes asbestos sampling data.

2.2 **Asbestos Containing Materials**

12" Tan Floor Tile with Light Brown Marks and Mastic  
Mastic for 12" Gray Floor Tile with Dark Gray Marks  
Mag Block Pipe Insulation  
Hard Fittings on Mag Block Insulation (assumed)  
Exterior Window Glazing (1 type)  
Window Sill Material  
Window/Door System Glazing  
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 Askanase Hall as follows:

ACM	QUANTITY	UNIT COST	TOTAL COST
Asbestos Floor Tile and/or Mastic	3,702 ft <sup>2</sup>	\$4.00/ft <sup>2</sup>	\$14,808.00
Asbestos Mag Block Pipe Insulation	36 ft	\$25.00/ft	\$900.00
Asbestos Hard Fittings on Mag Block Insulation	6 ea	\$25.00/ea	\$150.00
Asbestos Window Sill Material	24 ea	\$150.00/ea	\$3,600.00
Asbestos Window Glazing (all types)	38 ea	\$225.00/ea	\$8,550.00
<b>Total Estimated Abatement Costs:</b>			<b>\$28,008.00</b>

**LEGEND TECHNICAL SERVICES, INC.**  
ACM LOCATIONS/FRIABLE MATERIALS ASSESSMENTS TABLE

LEGEND No. 0700048 (NDSU)  
ASKANASE HALL (BLDG A069)

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSES. CAT. <sup>1</sup>	NOTES
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**Room 001**

Window Sill Material	2% Chrysotile	4 ea	Non-friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos window sill material is under the four windows along the east wall.
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**Room 002** Now part of Room 001

Window Sill Material	2% Chrysotile	3 ea	Non-friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos window sill material is under the three windows along the east wall.
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**Room 006**

Window Sill Material	2% Chrysotile	3 ea	Non-friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos window sill material is under the three windows along the east wall.
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**Room 007**

Window Sill Material	2% Chrysotile	4 ea	Non-friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos window sill material is under the four windows along the east wall.
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**Room 008**

Mastic for 12" Gray Floor Tile with Dark Gray Marks	3% Chrysotile	124 ft <sup>2</sup>	Non-friable Miscellaneous	N/A*	N/A*		N/A*	The mastic contains asbestos; the floor tile is negative.
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**Room 009**

Mastic for 12" Gray Floor Tile with Dark Gray Marks	3% Chrysotile	14 ft <sup>2</sup>	Non-friable Miscellaneous	N/A*	N/A*		N/A*	The mastic contains asbestos; the floor tile is negative.
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\* = Non-Friable materials were not assessed

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**Room 011**

Mastic for 12" Gray Floor Tile with Dark Gray Marks	3% Chrysotile	124 ft <sup>2</sup>	Non-friable Miscellaneous	N/A*	N/A*		N/A*	The mastic contains asbestos; the floor tile is negative.
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**Hallway 088**

Mastic for 12" Gray Floor Tile with Dark Gray Marks	3% Chrysotile	610 ft <sup>2</sup>	Non-friable Miscellaneous	N/A*	N/A*		N/A*	The mastic contains asbestos; the floor tile is negative.
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**Room 099M**

Window Sill Material	2% Chrysotile	1 ea	Non-friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos window sill material is under the window along the east wall.
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**Room 099W**

Window Sill Material	2% Chrysotile	1 ea	Non-friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos window sill material is under the window along the east wall.
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**Room 105**

Window Sill Material	2% Chrysotile	1 ea	Non-friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos window sill material is under the window along the east wall.
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**Room 107**

Window Sill Material	2% Chrysotile	2 ea	Non-friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos window sill material is under the two windows along the east wall.
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\* = Non-Friable materials were not assessed

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LEGEND No. 0700048 (NDSU)  
ASKANASE HALL (BLDG A069)

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSES. CAT. <sup>1</sup>	NOTES
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**Room 107A**

Window Sill Material	2% Chrysotile	1 ea	Non-friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos window sill material is under the window along the east wall.
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**Room 113A**

9" Floor Tile and Mastic	Assumed	698 ft <sup>2</sup>	Non-friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos 9" floor tile and mastic are assumed to be ACMs.
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**Room 113B**

Mag Block Pipe Insulation	0-10% Chrysotile 0-20% Amosite	21 ft	Friable TSI	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	6	The asbestos mag block pipe insulation is on southeast side of room.
Hard Fittings on Mag Block Insulation	Assumed	4 fittings	Friable TSI	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	6	None

**Room 115D**

9" Floor Tile and Mastic	Assumed	103 ft <sup>2</sup>	Non-friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos 9" floor tile and mastic are assumed to be ACMs; they are under the carpet.
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**Room 115E**

Mag Block Pipe Insulation	0-10% Chrysotile 0-20% Amosite	15 ft	Friable TSI	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	6	The asbestos mag block pipe insulation is on the northeast end of the room.
Hard Fittings on Mag Block Insulation	Assumed	2 fittings	Friable TSI	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	6	None

\* = Non-Friable materials were not assessed

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LEGEND No. 0700048 (NDSU)  
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ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSESS. CAT. <sup>1</sup>	NOTES
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**Room 119**

12" Tan Floor Tile with Light Brown Marks and Mastic	2-5% Chrysotile	926 ft <sup>2</sup>	Non-friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and mastic both contain asbestos.
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**Room 123**

12" Tan Floor Tile with Light Brown Marks and Mastic	2-5% Chrysotile	12 ft <sup>2</sup>	Non-friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and mastic both contain asbestos.
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**Room 126A**

12" Tan Floor Tile with Light Brown Marks and Mastic	2-5% Chrysotile	21 ft <sup>2</sup>	Non-friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and mastic both contain asbestos.
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**Room 133**

Window Sill Material	2% Chrysotile	1 ea	Non-friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos window sill material is under the window along the east wall.
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**Room 134**

Window Sill Material	2% Chrysotile	1 ea	Non-friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos window sill material is under the window along the east wall.
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**Room 135**

Window Sill Material	2% Chrysotile	1 ea	Non-friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos window sill material is under the window along the east wall.
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\* = Non-Friable materials were not assessed

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LEGEND No. 0700048 (NDSU)  
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ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSESS. CAT. <sup>1</sup>	NOTES
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**Room 136**

Window Sill Material	2% Chrysotile	1 ea	Non-friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos window sill material is under the window along the east wall.
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**Hallway 188**

Mastic for 12" Gray Floor Tile with Dark Gray Marks	3% Chrysotile	572 ft <sup>2</sup>	Non-friable Miscellaneous	N/A*	N/A*		N/A*	The mastic contains asbestos; the floor tile is negative; they are in the northeast entry area (near hallway 188B).
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**Entry 188A**

9" Floor Tile and Mastic	Assumed	148 ft <sup>2</sup>	Non-friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos 9" floor tile and mastic are assumed to be ACMs.
Window/Door System Glazing	2% Chrysotile	14 windows/ doors	Non-friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos glazing is on the four doors and ten windows in southeast entry 188A.

**Room 199M1** Now Room 199U

12" Tan Floor Tile with Light Brown Marks and Mastic	2-5% Chrysotile	87 ft <sup>2</sup>	Non-friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and mastic both contain asbestos.
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**Room 199W1** Now Room 199U1

12" Tan Floor Tile with Light Brown Marks and Mastic	2-5% Chrysotile	87 ft <sup>2</sup>	Non-friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and mastic both contain asbestos.
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**Room 199M2** Now Room 199M

9" Floor Tile and Mastic	Assumed	88 ft <sup>2</sup>	Non-friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos 9" floor tile and mastic are assumed to be ACMs.
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\* = Non-Friable materials were not assessed

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**Room 199W2** Now Room 199W

9" Floor Tile and Mastic	Assumed	88 ft <sup>2</sup>	Non-friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos 9" floor tile and mastic are assumed to be ACMs.
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**Exterior**

Window Glazing	5% Chrysotile	24 windows	Non-friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos window glazing is on the exterior windows on the east end of the building.
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<sup>1</sup>Assessment Categories:

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|---|---|
| 1) Damaged or Significantly Damaged TSI ACM                   | 5) ACM with Potential for Damage                      |
| 2) Damaged Friable Surfacing ACM                              | 6) ACM with Potential for Significant Damage          |
| 3) Significantly Damaged Friable Surfacing ACM                | 7) Any Remaining Friable ACM or Friable Suspected ACM |
| 4) Damaged or Significantly Damaged Friable Miscellaneous ACM |   |

**End**