

## **NARRATIVE REPORT**

### **1.0 BUILDING INFORMATION**

Harris Hall was originally constructed in 1953; a 1965 addition extended the building to the south, a 1970 addition which extended the building to the west adding a garage, and the 1989 addition extended the building to the west adding the Durum Mill and filling in the center of 1<sup>st</sup> and 2<sup>nd</sup> floors..

Harris Hall is a three-story, 33,419 ft<sup>2</sup> building which primarily serves as office areas and work areas for agricultural personnel. Northern Crops Institute (A093) is attached to the south side of Harris Hall and is reported separately.

The interior floor finishes included floor tile, concrete, carpet, sheet vinyl, ceramic tile, and terrazzo; the interior wall finishes included plaster, gypsum wallboard, brick, ceramic tile, concrete block, and ceramic block; and the interior ceiling finishes included plaster, ceiling tile, 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), aircell insulation (with hard fittings), and neoprene insulation are located in the building. Steam enters the building via a pit in rooms 30A and 4A and domestic water enters the building via a pit in room 4A. HVAC systems located in the building consisted of forced air furnaces with heating/cooling coils and steam radiators.

### **2.0 ASBESTOS SURVEY INFORMATION**

Harris Hall was surveyed as part of a larger project on NDSU's Fargo, ND Campus. This report is part of "Volume 3" of a nine volume series. This report includes building specific information only; please refer to the opening section of "Volume 3" for methodologies, definitions, and other pertinent supporting information.

A total of 118 samples were collected from suspect asbestos-containing materials (ACM) from Harris Hall on May 11, 2007, an additional 7 samples were collected on May 14, 2007, an additional 1 sample was collected on November 20, 2007, and an additional 15 samples were collected on April 22, 2008. Laboratory analysis results indicate **39 of these samples tested positive for asbestos.**

#### **2.1 Suspect Materials Identified and Sampled**

Hard Plaster-Monocoat	Vermiculite Ceiling Plaster
Hard Plaster-Basecoat (2 types)	Hard Plaster-Skimcoat (2 types)
Cooler Ceiling Coating	Cooler Ceiling Insulation
Gypsum Wallboard (3 types)	Joint Compound (3 types)
Sink Undercoating (6 types)	Floor Tile (4 types)
Floor Tile Mastic (4 types)	Ceiling Tile (5 types)
Glue Puck	Pyrobar
Green HVAC Canvas Connector	White HVAC Canvas Connector
Baseboard Adhesive (2 types)	Window Caulk (2 types)
Duct Caulk	Carpet Mastic
Hard Fitting on Fiberglass Insulation	Aircell Pipe Insulation

Hard Fitting on Aircell Insulation  
 Wall Patch Material  
 Door Caulk  
 Transite Panels (2 types)  
 Linoleum  
 Window Sill Material  
 Tank Insulation  
 Building Seam Caulk (2 types)

Hard Pack on Aircell Insulation  
 Window Glazing  
 Black Lab Countertop (2 types)  
 Fireproofing  
 Underlayment Rope for Linoleum  
 Fume Hood  
 Transite Exhaust Pipe  
 Exterior Window Glazing

The Asbestos Bulk Sample Results Table includes asbestos sampling data.

## 2.2 **Asbestos Containing Materials**

Vermiculite Ceiling Plaster  
 Gray Sink Undercoating (2 types)  
 12" Brown Floor Tile with Red/White Streaks and Mastic  
 Mastic for 12" White Floor Tile with Gray Marks  
 Black Sink Undercoating (2 types)  
 White HVAC Canvas Connector  
 Window Caulk  
 Transite Panels (2 types)  
 Hard Fitting on Fiberglass Insulation  
 Aircell Pipe Insulation  
 Hard Fitting on Aircell Insulation  
 Hard Pack on Aircell Insulation  
 Window Glazing  
 Exterior Window Glazing  
 Building Seam Caulk (1 type)  
 Black Lab Countertop  
 Pink Sink Undercoating (1 type)  
 Black/Sink Counter System Undercoating  
 Mastic for 12" White Floor tile with Brown Marks  
 Fume Hood  
 Transite Exhaust Pipe  
 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 Harris Hall as follows:

ACM	QUANTITY	UNIT COST	TOTAL COST
Asbestos Vermiculite Ceiling Plaster	8,528 ft <sup>2</sup>	\$7.50/ft <sup>2</sup>	\$63,960.00
Asbestos Floor Tile and/or Mastic (all types)	24,432 ft <sup>2</sup>	\$4.00/ft <sup>2</sup>	\$97,728.00
Asbestos Window Caulk	164 ea	\$125.00/ea	\$20,500.00
Asbestos Window Glazing	143 ea	\$225.00/ea	\$32,175.00
Asbestos HVAC Canvas Connector	1 ea	\$60.00/ea	\$60.00

Asbestos Black Lab Countertop	1 ea	\$350.00/ea	\$350.00
Asbestos Transite Panels	73 ft <sup>2</sup>	\$5.00/ea	\$365.00
Asbestos Aircell Pipe Insulation	387 ft	\$25.00/ft	\$9,675.00
Asbestos Hard Fittings on Aircell Insulation	88 ea	\$25.00/ea	\$2,200.00
Asbestos Hard Pack on Aircell Insulation	18 ea	\$25.00/ea	\$450.00
Asbestos Hard Fittings on Fiberglass Insulation	81 ea	\$60.00/ea	\$4,860.00
Asbestos Transite Exhaust Pipe	30 ft	\$25.00/ft	\$750.00
Asbestos Fume Hood	1 ea	\$350.00/ea	\$350.00
Asbestos Building Seam Caulk	20 ft	\$25.00/ft	\$500.00
Asbestos Sink Undercoating (all types)	17 ea	\$150.00/ea	\$2,550.00
<b>Total Estimated Abatement Costs:</b>			<b>\$236,473.00</b>

## 2.4 Survey Notes

LEGEND identified and sampled a 12" White Floor Tile with Brown Marks and Mastic and a 12" White Floor Tile with Tan Marks and Mastic; they are visually identical and were homogenized using available architectural drawings. The 12" White Floor tile with Brown Marks and Mastic was installed in 1983 during the construction of Northern Crops Institute and the 12" White Floor Tile with Tan Marks and Mastic was installed in 1989 during the construction of the Durum Mill. The mastic for the 12" white floor tile with brown marks contains asbestos, it is in hallways 188 and 288 and room 211, only.

LEGEND identified and sampled Vermiculite Ceiling Plaster throughout the 1953 building; it tested positive for asbestos. LEGEND used available architectural drawings to identify which rooms contained the ACM vermiculite ceiling plaster; LEGEND noted several of these rooms had 1' ceiling tile and or hard plaster present on the ceiling that appear to have been installed during the 1965 addition. LEGEND included all rooms that were indicated to have the ACM vermiculite ceiling plaster in the ACM Locations Tables and Diagrams; prior to renovation or demolition activities, a destructive survey should be performing in any of these rooms in which 1' ceiling tile or hard plaster are present on the ceiling to inspect for the ACM vermiculite plaster above them.

During the 1989 addition the center sections of the 1<sup>st</sup> and 2<sup>nd</sup> floors were added. Several windows were present in exterior walls prior to the 1989 addition, that were boarded up as the building was extended and the walls became interior walls. LEGEND was unable to determine if the windows are still present; the windows are identified on the ACM Locations Tables and Diagrams. Prior to renovation or demolition activities, a destructive survey should be performed to verify if the asbestos window glazing and window caulk are present.

LEGEND identified and sampled 3 different building seam caulk; 1 tested positive for asbestos. The ACM building seam caulk was used in the 1970 addition to seal the new garage to the existing building. The Durum Mill addition has concealed 1 location of the ACM building seam caulk; it is in the northwest corner of room 23C.

LEGEND identified and sampled Transite Exhaust Pipe; it tested positive for asbestos. LEGEND used available architectural drawing to assist in locating the material. LEGEND noted several inaccessible ceilings where the transite exhaust pipe may be present; including rooms 17A, 18, 126, and 212. LEGEND recommends assuming an additional 50' of Transite Exhaust Pipe in the building.

**LEGEND TECHNICAL SERVICES, INC.**

## ACM LOCATIONS/FRIABLE MATERIALS ASSESSMENTS TABLE

LEGEND No. 0700048 (NDSU)

HARRIS HALL (BUILDING A028)

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 2**

<del>Vermiculite Ceiling Plaster</del>	10% Chrysotile	40 ft <sup>2</sup>	Friable Surfacing	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	None
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**Room 4**

<del>Vermiculite Ceiling Plaster</del>	10% Chrysotile	30 ft <sup>2</sup>	Friable Surfacing	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	None
<del>Window Caulk</del>	10% Chrysotile	2 windows	Non-Friable Miscellaneous	N/A*	N/A*	N/A*	N/A*	The asbestos caulk is around the windows along the north wall.
<del>Black Lab Countertop</del>	20% Chrysotile	1 ea	Non-Friable Miscellaneous	N/A*	N/A*	N/A*	N/A*	The asbestos countertop is along the west wall.
<del>Transite Panel</del>	15% Chrysotile	25 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*	N/A*	N/A*	The asbestos transite panel is behind the electrical equipment along the south wall.
<del>Aircell Pipe Insulation</del>	30% Chrysotile	30 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 checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	The asbestos aircell pipe insulation runs along the north and east walls.
<del>Hard Fitting on Aircell Insulation</del>	20% Chrysotile 5% Amosite	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 checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	None
<del>Hard Pack on Aircell Insulation</del>	20% Chrysotile 5% Amosite	3 ea	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 checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	None

**Room 4A**

<del>Vermiculite Ceiling Plaster</del>	10% Chrysotile	94 ft <sup>2</sup>	Friable Surfacing	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	None
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\* = Non-Friable materials were not assessed

**LEGEND TECHNICAL SERVICES, INC.**

## ACM LOCATIONS/FRIABLE MATERIALS ASSESSMENTS TABLE

LEGEND No. 0700048 (NDSU)

HARRIS HALL (BUILDING A028)

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSESS. CAT. <sup>1</sup>	NOTES
<del>Window Caulk</del>	10% Chrysotile	1 window	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos caulk is around the window along the north wall.

**Room 6**

<del>Vermiculite Ceiling Plaster</del>	10% Chrysotile	360 ft <sup>2</sup>	Friable Surfacing	Good	Physical	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	6	None
<del>Window Caulk</del>	10% Chrysotile	3 windows	Non-Friable Miscellaneous	N/A*	Air Erosion	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	N/A*	The asbestos caulk is around the windows along the east wall.
<del>9" Floor Tile and Mastic</del>	Assumed	360 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	Vibration	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	N/A*	The 9" floor tile and mastic are assumed ACMs.
<del>Aircell Pipe Insulation</del>	30% Chrysotile	68 ft	Friable TSI	Damaged	Physical	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	1	The asbestos aircell pipe insulation runs along the north, south, and east walls.
<del>Hard Fitting on Aircell Insulation</del>	20% Chrysotile 5% Amosite	15 fittings	Friable TSI	Damaged	Air Erosion	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	1	None
<del>Hard Pack on Aircell Insulation</del>	20% Chrysotile 5% Amosite	4 ea	Friable TSI	Damaged	Vibration	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	1	None

**Room 9**

<del>9" Floor Tile and Mastic</del>	Assumed	24 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic are assumed ACMs.
<del>Hard Fitting on Fiberglass Insulation</del>	0-15% Chrysotile 0-3% Amosite	24 fittings	Friable TSI	Damaged	Physical	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	1	The asbestos hard fittings on fiberglass insulation are in the chase east of room 9.
					Air Erosion	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
					Vibration	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		

\* = Non-Friable materials were not assessed

**LEGEND TECHNICAL SERVICES, INC.**

## ACM LOCATIONS/FRIABLE MATERIALS ASSESSMENTS TABLE

LEGEND No. 0700048 (NDSU)

HARRIS HALL (BUILDING A028)

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 10**

<del>9" Floor Tile and Mastic</del>	Assumed	184 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic are assumed ACMs.
<del>Window Caulk</del>	10% Chrysotile	2 windows	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos caulk is around the windows along the east wall.

**Room 11**

<del>9" Floor Tile and Mastic</del>	Assumed	636 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic are assumed ACMs.
<del>Window Caulk</del>	10% Chrysotile	6 windows	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos caulk is around the windows along the east wall.
<del>Hard Fitting on Fiberglass Insulation</del>	0-15% Chrysotile 0-3% Amosite	2 fittings	Friable TSI	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	The asbestos hard fittings on fiberglass insulation are along the southeast corner of room 11.

**Room 18**

<del>9" Floor Tile and Mastic</del>	Assumed	672 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic are assumed ACMs.
<del>Window Caulk</del>	10% Chrysotile	4 ea	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos caulk is around the windows along the south wall.
<del>Transite Exhaust Pipe</del>	10% Chrysotile	1 ft	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos Transite Exhaust Pipe is along the north end of the room.
<del>Hard Fitting on Fiberglass Insulation</del>	0-15% Chrysotile 0-3% Amosite	3 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 checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	The asbestos hard fittings on fiberglass insulation are along the east wall.

\* = Non-Friable materials were not assessed

**LEGEND TECHNICAL SERVICES, INC.**

## ACM LOCATIONS/FRIABLE MATERIALS ASSESSMENTS TABLE

LEGEND No. 0700048 (NDSU)  
HARRIS HALL (BUILDING A028)

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 23C**

<del>Building Seam Caulk</del>	2% Chrysotile	10 ft	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos building seam caulk is along the northeast corner behind the current wall system..
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**Room 25**

<del>9" Floor Tile and Mastic</del>	Assumed	1,002 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic are assumed ACMs.
<del>Gray Sink Undercoating</del>	5-15% Chrysotile	1 sink	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos undercoating is on a sink along the southeast corner of room 25.
<del>Window Glazing</del>	3% Chrysotile	1 window	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos glazing is on the window in the northwest corner.
<del>Hard Fitting on Fiberglass Insulation</del>	0-15% Chrysotile 0-3% Amosite	23 fittings	Friable TSI	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	The asbestos hard fittings on fiberglass insulation are along the east end.

**Room 25A**

<del>9" Floor Tile and Mastic</del>	Assumed	40 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic are assumed ACMs; they are on the south end of the room.
<del>Hard Fitting on Fiberglass Insulation</del>	0-15% Chrysotile 0-3% Amosite	15 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 checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	The asbestos hard fittings on fiberglass insulation are throughout the room.

**Room 28**

<del>9" Floor Tile and Mastic</del>	Assumed	138 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic are assumed ACMs.
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LEGEND TECHNICAL SERVICES, INC.

ACM LOCATIONS/FRIABLE MATERIALS ASSESSMENTS TABLE

LEGEND No. 0700048 (NDSU)

HARRIS HALL (BUILDING A028)

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSESS. CAT. <sup>1</sup>	NOTES
<b>Room 30</b>								
<del>9" Floor Tile and Mastic</del>	Assumed	544 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic are assumed ACMs; they are under the 12" floor tile.
<b>Room 30A</b>								
<del>9" Floor Tile and Mastic</del>	Assumed	844 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic are assumed ACMs; they are under the 12" floor tile.
<b>Room 30A1</b>								
<del>9" Floor Tile and Mastic</del>	Assumed	44 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic are assumed ACMs.
<b>Room 30B</b>								
<del>9" Floor Tile and Mastic</del>	Assumed	94 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic are assumed ACMs.
<b>Room 33</b>								
<del>9" Floor Tile and Mastic</del>	Assumed	105 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic are assumed ACMs.
<del>Vermiculite Ceiling Plaster</del>	10% Chrysotile	105 ft <sup>2</sup>	Friable Surfacing	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	None
<del>Aircell Pipe Insulation</del>	30% Chrysotile	6 ft	Friable TSI	Damaged	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	1	The asbestos aircell pipe insulation runs along the south wall.

\* = Non-Friable materials were not assessed



**LEGEND TECHNICAL SERVICES, INC.**

## ACM LOCATIONS/FRIABLE MATERIALS ASSESSMENTS TABLE

LEGEND No. 0700048 (NDSU)  
HARRIS HALL (BUILDING A028)

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 33A**

<del>9" Floor Tile and Mastic</del>	Assumed	50 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic are assumed ACMs.
<del>Aircell Pipe Insulation</del>	30% Chrysotile	24 ft	Friable TSI	Damaged	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 checked="" type="checkbox"/> <input type="checkbox"/>	1	The asbestos aircell pipe insulation runs along the south wall.
<del>Hard Fitting on Aircell Insulation</del>	20% Chrysotile 5% Amosite	7 fittings	Friable TSI	Damaged	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 checked="" type="checkbox"/> <input type="checkbox"/>	1	None

**Room 35**

<del>Vermiculite Ceiling Plaster</del>	10% Chrysotile	744 ft <sup>2</sup>	Friable Surfacing	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	None
<del>Window Caulk</del>	10% Chrysotile	3 windows	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos caulk is around the windows along the west wall.
<del>9" Floor Tile and Mastic</del>	Assumed	744 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic are assumed ACMs.
<del>Aircell Pipe Insulation</del>	30% Chrysotile	68 ft	Friable TSI	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	6	The asbestos aircell pipe insulation runs along the west and south walls.
<del>Hard Fitting on Aircell Insulation</del>	20% Chrysotile 5% Amosite	14 fittings	Friable TSI	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	6	None
<del>Hard Pack on Aircell Insulation</del>	20% Chrysotile 5% Amosite	6 ea	Friable TSI	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	6	None

**LEGEND TECHNICAL SERVICES, INC.**

## ACM LOCATIONS/FRIABLE MATERIALS ASSESSMENTS TABLE

LEGEND No. 0700048 (NDSU)  
HARRIS HALL (BUILDING A028)

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 38**

<del>Vermiculite Ceiling Plaster</del>	10% Chrysotile	436 ft <sup>2</sup>	Friable Surfacing	Good	Physical	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	6	None
<del>Window Caulk</del>	10% Chrysotile	7 windows	Non-Friable Miscellaneous	N/A*	N/A*	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	N/A*	The asbestos caulk is around the windows along the north and west walls.
<del>Aircell Pipe Insulation</del>	30% Chrysotile	71 ft	Friable TSI	Good	Physical	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	6	The asbestos aircell pipe insulation runs along the west and south walls.
<del>Hard Fitting on Aircell Insulation</del>	20% Chrysotile 5% Amosite	15 fittings	Friable TSI	Good	Physical	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	6	None
<del>Hard Pack on Aircell Insulation</del>	20% Chrysotile 5% Amosite	3 ea	Friable TSI	Good	Physical	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	6	None

**Room 39**

<del>Vermiculite Ceiling Plaster</del>	10% Chrysotile	230 ft <sup>2</sup>	Friable Surfacing	Good	Physical	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	6	None
<del>Window Caulk</del>	10% Chrysotile	2 windows	Non-Friable Miscellaneous	N/A*	N/A*	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	N/A*	The asbestos caulk is around the windows along the north wall.
<del>9" Floor Tile and Mastic</del>	Assumed	230 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	N/A*	The 9" floor tile and mastic are assumed ACMs.
<del>Aircell Pipe Insulation</del>	30% Chrysotile	18 ft	Friable TSI	Good	Physical	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	6	The asbestos aircell pipe insulation runs along the north wall.

**LEGEND TECHNICAL SERVICES, INC.**

## ACM LOCATIONS/FRIABLE MATERIALS ASSESSMENTS TABLE

LEGEND No. 0700048 (NDSU)  
HARRIS HALL (BUILDING A028)

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSESS. CAT. <sup>1</sup>	NOTES
<del>Hard Fitting on Aircell Insulation</del>	20% Chrysotile 5% Amosite	13 fittings	Friable TSI	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	6	None
<del>Hard Pack on Aircell Insulation</del>	20% Chrysotile 5% Amosite	2 ea	Friable TSI	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	6	None

**Hallway 88**

<del>Vermiculite Ceiling Plaster</del>	10% Chrysotile	373 ft <sup>2</sup>	Friable Surfacing	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	Refer to ACM Locations Map for further information.
<del>9" Floor Tile and Mastic</del>	Assumed	995 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs; refer to ACM Locations Map for further information.
<del>Aircell Pipe Insulation</del>	30% Chrysotile	6 ft	Friable TSI	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	6	The asbestos aircell pipe insulation runs between room 4 and room 6.
<del>Hard Fitting on Aircell Insulation</del>	20% Chrysotile 5% Amosite	6 fittings	Friable TSI	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	6	None
<del>Hard Fitting on Fiberglass Insulation</del>	0-15% Chrysotile 0-3% Amosite	8 fittings	Friable TSI	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	The asbestos hard fittings on fiberglass insulation are across from room 4A.

**Hallway 88A**

<del>9" Floor Tile and Mastic</del>	Assumed	92 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs.
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\* = Non-Friable materials were not assessed

**LEGEND TECHNICAL SERVICES, INC.**

## ACM LOCATIONS/FRIABLE MATERIALS ASSESSMENTS TABLE

LEGEND No. 0700048 (NDSU)  
HARRIS HALL (BUILDING A028)

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 99M**

<del>9" Floor Tile and Mastic</del>	Assumed	208 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic are assumed ACMs.
<del>Window Caulk</del>	10% Chrysotile	2 windows	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos caulk is around the windows along the north wall.
<del>Aircell Pipe Insulation</del>	30% Chrysotile	6 ft	Friable TSI	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	6	The asbestos aircell pipe insulation runs along the north wall.

**Room 99W**

<del>Window Caulk</del>	10% Chrysotile	2 ea	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos caulk is around the windows along the east wall.
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**Room 101**

<del>9" Floor Tile and Mastic</del>	Assumed	30 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic are assumed ACMs.
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**Room 102**

<del>Vermiculite Ceiling Plaster</del>	10% Chrysotile	256 ft <sup>2</sup>	Friable Surfacing	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	None
<del>9" Floor Tile and Mastic</del>	Assumed	256 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic are assumed ACMs; they are under carpet.
<del>Window Caulk</del>	10% Chrysotile	3 windows	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos caulk is around the windows along the north wall.

Abated December 2018

**LEGEND TECHNICAL SERVICES, INC.**

## ACM LOCATIONS/FRIABLE MATERIALS ASSESSMENTS TABLE

LEGEND No. 0700048 (NDSU)

HARRIS HALL (BUILDING A028)

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSESS. CAT. <sup>1</sup>	NOTES
<del>Aircell Pipe Insulation</del>	30% Chrysotile	10 ft	Friable TSI	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	The asbestos aircell pipe insulation runs along the north wall.
<del>Hard Fitting on Aircell Insulation</del>	20% Chrysotile 5% Amosite	1 fitting	Friable TSI	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	None

**Room 102A**

<del>Vermiculite Ceiling Plaster</del>	10% Chrysotile	20 ft <sup>2</sup>	Friable Surfacing	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	None
<del>9" Floor Tile and Mastic</del>	Assumed	20 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs; they are under carpet.

Abated December 2018

**Room 103**

<del>Vermiculite Ceiling Plaster</del>	10% Chrysotile	244 ft <sup>2</sup>	Friable Surfacing	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	None
<del>9" Floor Tile and Mastic</del>	Assumed	244 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs; they are under carpet.
<del>Window Caulk</del>	10% Chrysotile	5 windows	Non-Friable Miscellaneous	N/A*	N/A*	N/A*	N/A*	The asbestos caulk is around the windows along the north and west walls.
<del>Aircell Pipe Insulation</del>	30% Chrysotile	14 ft	Friable TSI	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	The asbestos aircell pipe insulation runs along the north wall.
<del>Hard Fitting on Aircell Insulation</del>	20% Chrysotile 5% Amosite	3 fittings	Friable TSI	Damaged	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	1	None

\* = Non-Friable materials were not assessed

**LEGEND TECHNICAL SERVICES, INC.**

## ACM LOCATIONS/FRIABLE MATERIALS ASSESSMENTS TABLE

LEGEND No. 0700048 (NDSU)

HARRIS HALL (BUILDING A028)

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 103A**

<del>Vermiculite Ceiling Plaster</del>	10% Chrysotile	20 ft <sup>2</sup>	Friable Surfacing	Good	Physical	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	6	None
<del>9" Floor Tile and Mastic</del>	Assumed	20 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	Air Erosion	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	N/A*	The 9" floor tile and mastic are assumed ACMs.
					Vibration	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		

Abated December 2018

**Room 104**

<del>Vermiculite Ceiling Plaster</del>	10% Chrysotile	48 ft <sup>2</sup>	Friable Surfacing	Good	Physical	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	6	None
<del>9" Floor Tile and Mastic</del>	Assumed	48 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	Air Erosion	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	N/A*	The 9" floor tile and mastic are assumed ACMs.
					Vibration	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
<del>Window Caulk</del>	10% Chrysotile	1 window	Non-Friable Miscellaneous	N/A*			N/A*	The asbestos caulk is around the window along the east wall.
<del>Aircell Pipe Insulation</del>	30% Chrysotile	2 ft	Friable TSI	Good	Physical	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	6	The asbestos aircell pipe insulation runs along the east wall.
					Air Erosion	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>		
					Vibration	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
<del>Hard Fitting on Aircell Insulation</del>	20% Chrysotile 5% Amosite	4 fittings	Friable TSI	Good	Physical	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	6	None
					Air Erosion	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>		
					Vibration	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		

**Room 105**

<del>Vermiculite Ceiling Plaster</del>	10% Chrysotile	358 ft <sup>2</sup>	Friable Surfacing	Good	Physical	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	6	None
					Air Erosion	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>		
					Vibration	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
<del>Window Caulk</del>	10% Chrysotile	3 window	Non-Friable Miscellaneous	N/A*			N/A*	The asbestos caulk is around the windows along the east wall.

\* = Non-Friable materials were not assessed

**LEGEND TECHNICAL SERVICES, INC.**

## ACM LOCATIONS/FRIABLE MATERIALS ASSESSMENTS TABLE

LEGEND No. 0700048 (NDSU)

HARRIS HALL (BUILDING A028)

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSES. CAT. <sup>1</sup>	NOTES
<del>Aircell Pipe Insulation</del>	30% Chrysotile	12 ft	Friable TSI	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	The asbestos aircell pipe insulation runs along the east wall.

**Room 108**

<del>Hard Fitting on Fiberglass Insulation</del>	0-15% Chrysotile 0-3% Amosite	8 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 checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	The asbestos hard fittings are in the chase east of room 108.
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**Room 110**

<del>Window Caulk</del>	10% Chrysotile	4 windows	Non-Friable Miscellaneous	N/A*	N/A*	N/A*	N/A*	The asbestos caulk is around the windows along the east wall.
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**Room 111**

<del>Window Caulk</del>	10% Chrysotile	2 windows	Non-Friable Miscellaneous	N/A*	N/A*	N/A*	N/A*	The asbestos caulk is around the windows along the east wall.
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**Room 111A** Abated June 2008

<del>Mastic for 12" White Floor Tile with Gray Marks</del>	15% Chrysotile	173 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*	N/A*	N/A*	The mastic only for the 12" white floor tile contains asbestos; they are under carpet.
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**Room 113** Abated June 2008

<del>9" Floor Tile and Mastic</del>	Assumed	120 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs.
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**LEGEND TECHNICAL SERVICES, INC.**

## ACM LOCATIONS/FRIABLE MATERIALS ASSESSMENTS TABLE

LEGEND No. 0700048 (NDSU)  
HARRIS HALL (BUILDING A028)

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 114**

<del>9" Floor Tile and Mastic</del>	Assumed	48 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic are assumed ACMs; they are under carpet.
<del>Window Caulk</del>	10% Chrysotile	3 windows	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos caulk is around the windows along the south wall.

**Room 115** Abated for Cooler Work (Room 17) July 2010

<del>9" Floor Tile and Mastic</del>	Assumed	158 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic are assumed ACMs.
<del>Hard Fitting on Fiberglass Insulation</del>	0-15% Chrysotile 0-3% Amosite	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 checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	The asbestos hard fittings are along the southwest corner.

**Room 116**

<del>9" Floor Tile and Mastic</del>	Assumed	206 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic are assumed ACMs.
<del>Transite Exhaust Pipe</del>	10% Chrysotile	10 ft	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos transite exhaust pipe is in the chase on the southwest corner of the room.

**Room 118**

<del>9" Floor Tile and Mastic</del>	Assumed	676 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic are assumed ACMs.
<del>Window Caulk</del>	10% Chrysotile	4 windows	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos caulk is around the windows along the south wall.



**LEGEND TECHNICAL SERVICES, INC.**

## ACM LOCATIONS/FRIABLE MATERIALS ASSESSMENTS TABLE

LEGEND No. 0700048 (NDSU)  
HARRIS HALL (BUILDING A028)

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**

<del>9" Floor Tile and Mastic</del>	Assumed	88 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic are assumed ACMs; they are under the 12" brown floor tile and associated mastic
<del>12" Brown Floor Tile with Red and White Streaks and Mastic</del>	2-5% Chrysotile	88 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 12" brown floor tile and mastic contain asbestos.

**Room 120**

<del>9" Floor Tile and Mastic</del>	Assumed	88 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic are assumed ACMs; they are under the 12" brown floor tile and associated mastic
<del>12" Brown Floor Tile with Red and White Streaks and Mastic</del>	2-5% Chrysotile	88 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 12" brown floor tile and mastic contain asbestos.

**Room 121**

<del>9" Floor Tile and Mastic</del>	Assumed	98 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic are assumed ACMs.
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**Room 122**

<del>Pink Sink Undercoating</del>	5% Chrysotile	1 sink	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos undercoating is on a sink along the northeast corner.
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**Room 124**

<del>Window Caulk</del>	10% Chrysotile	4 windows	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos caulk is around the windows along the north and west walls.
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**LEGEND TECHNICAL SERVICES, INC.**

## ACM LOCATIONS/FRIABLE MATERIALS ASSESSMENTS TABLE

LEGEND No. 0700048 (NDSU)  
HARRIS HALL (BUILDING A028)

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 126**

<del>9" Floor Tile and Mastic</del>	Assumed	976 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic are assumed ACMs.
<del>Transite Exhaust Pipe</del>	10% Chrysotile	1 ft	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos transite exhaust pipe is along the northwest corner of the room.
<del>Window Caulk</del>	10% Chrysotile	4 windows	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos caulk is around the windows along the north wall.
<del>Hard Fitting on Fiberglass Insulation</del>	0-15% Chrysotile 0-3% Amosite	1 fitting	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 checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	The asbestos hard fitting is along the northeast corner.

**Room 129**

<del>Window Glazing</del>	20% Chrysotile	5 windows	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos glazing is around the windows along the south wall.
<del>Gray Sink Undercoating</del>	15% Chrysotile	1 sink	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos undercoating is on a sink along the southeast corner.

**Room 129A**

<del>Window Glazing</del>	20% Chrysotile	2 windows	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos glazing is around the windows along the south wall.
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**Room 129A1**

<del>Window Glazing</del>	20% Chrysotile	2 windows	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos glazing is around the windows along the north wall.
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**LEGEND TECHNICAL SERVICES, INC.**  
ACM LOCATIONS/FRIABLE MATERIALS ASSESSMENTS TABLE

LEGEND No. 0700048 (NDSU)  
HARRIS HALL (BUILDING A028)

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 131**

<del>Window Glazing</del>	20% Chrysotile	5 windows	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos glazing is around the windows along the north wall.
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**Room 131A**

<del>Window Caulk</del>	20% Chrysotile	1 window	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos glazing is around the window along the north wall.
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**Room 133**

<del>Vermiculite Ceiling Plaster</del>	10% Chrysotile	222 ft <sup>2</sup>	Friable Surfacing	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	None
<del>9" Floor Tile and Mastic</del>	Assumed	222 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic are assumed ACMs.
<del>Window Caulk</del>	10% Chrysotile	2 windows	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos caulk is around the window along the south wall.
<del>Aircell Pipe Insulation</del>	30% Chrysotile	20 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 checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	The asbestos aircell pipe insulation runs along the south wall.
<del>Hard Fitting on Aircell Insulation</del>	20% Chrysotile 5% Amosite	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 checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	None

**Room 135**

<del>Vermiculite Ceiling Plaster</del>	10% Chrysotile	528 ft <sup>2</sup>	Friable Surfacing	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	None
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\* = Non-Friable materials were not assessed

**LEGEND TECHNICAL SERVICES, INC.**

## ACM LOCATIONS/FRIABLE MATERIALS ASSESSMENTS TABLE

LEGEND No. 0700048 (NDSU)  
HARRIS HALL (BUILDING A028)

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSESS. CAT. <sup>1</sup>	NOTES
<del>9" Floor Tile and Mastic</del>	Assumed	528 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic are assumed ACMs.
<del>Window Caulk</del>	10% Chrysotile	5 windows	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos caulk is around the window along the south wall.

**Room 135A**

<del>9" Floor Tile and Mastic</del>	Assumed	240 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic are assumed ACMs.
<del>Window Caulk</del>	10% Chrysotile	4 windows	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos caulk is around the window along the south and west walls.
<del>White HVAC Canvas Connector</del>	75% Chrysotile	1 ea	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos HVAC canvas connector is along the north wall.
<del>Aircell Pipe Insulation</del>	30% Chrysotile	10 ft	Friable TSI	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	6	The asbestos aircell pipe insulation runs along the southwest corner.

**Room 138**

<del>Vermiculite Ceiling Plaster</del>	10% Chrysotile	442 ft <sup>2</sup>	Friable Surfacing	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	None
<del>Window Caulk</del>	10% Chrysotile	7 windows	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos caulk is around the window along the north and west walls.
<del>Black Sink Undercoating</del>	3-10% Chrysotile	1 sink	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos undercoating is on a sink along the southeast corner.

\* = Non-Friable materials were not assessed

**LEGEND TECHNICAL SERVICES, INC.**

## ACM LOCATIONS/FRIABLE MATERIALS ASSESSMENTS TABLE

LEGEND No. 0700048 (NDSU)

HARRIS HALL (BUILDING A028)

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSESS. CAT. <sup>1</sup>	NOTES
<del>Aircell Pipe Insulation</del>	30% Chrysotile	10 ft	Friable TSI	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	6	The asbestos aircell pipe insulation runs along the northwest corner.

**Room 139**

<del>Vermiculite Ceiling Plaster</del>	10% Chrysotile	228 ft <sup>2</sup>	Friable Surfacing	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	None
<del>9" Floor Tile and Mastic</del>	Assumed	228 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs.
<del>Window Caulk</del>	10% Chrysotile	2 windows	Non-Friable Miscellaneous	N/A*	N/A*	N/A*	N/A*	The asbestos caulk is around the window along the north wall.
<del>Aircell Pipe Insulation</del>	30% Chrysotile	10 ft	Friable TSI	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	6	The asbestos aircell pipe insulation runs along the northeast corner.
<del>Hard Fitting on Aircell Insulation</del>	20% Chrysotile 5% Amosite	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 checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	None

**Hallway 188**

<del>Vermiculite Ceiling Plaster</del>	10% Chrysotile	327 ft <sup>2</sup>	Friable Surfacing	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	Refer to ACM Locations Map for further information.
<del>9" Floor Tile and Mastic</del>	Assumed	1,218 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs; refer to ACM Locations Map for further information.
<del>Mastic for 12" White Floor Tile with Brown Marks</del>	5% Chrysotile	91 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*	N/A*	N/A*	The mastic for the 12" white floor tile contains asbestos; it is between room 114 and 115.

**LEGEND TECHNICAL SERVICES, INC.**

## ACM LOCATIONS/FRIABLE MATERIALS ASSESSMENTS TABLE

LEGEND No. 0700048 (NDSU)  
HARRIS HALL (BUILDING A028)

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSESS. CAT. <sup>1</sup>	NOTES
<del>12" Brown Floor Tile with Red and White Streaks and Mastic</del>	2-5% Chrysotile	182 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 12" brown floor tile and mastic contain asbestos; it is between rooms 124 and 119.
<del>Hard Fitting on Fiberglass Insulation</del>	0-15% Chrysotile 0-3% Amosite	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 checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	The asbestos hard fittings are above ceiling tile by room 120.

**Room 199M**

<del>Window Caulk</del>	10% Chrysotile	2 windows	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos caulk is around the windows along the east wall.
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**Room 199W**

<del>Window Caulk</del>	10% Chrysotile	2 windows	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos caulk is around the windows along the east wall.
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**Room 201**

<del>Vermiculite Ceiling Plaster</del>	10% Chrysotile	242 ft <sup>2</sup>	Friable Surfacing	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	None
<del>9" Floor Tile and Mastic</del>	Assumed	242 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic are assumed ACMs.
<del>Window Caulk</del>	10% Chrysotile	2 windows	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos caulk is around the windows along the north wall.

**Room 202**

<del>Vermiculite Ceiling Plaster</del>	10% Chrysotile	424 ft <sup>2</sup>	Friable Surfacing	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	None
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\* = Non-Friable materials were not assessed

**LEGEND TECHNICAL SERVICES, INC.**

## ACM LOCATIONS/FRIABLE MATERIALS ASSESSMENTS TABLE

LEGEND No. 0700048 (NDSU)  
HARRIS HALL (BUILDING A028)

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSESS. CAT. <sup>1</sup>	NOTES
<del>Window Caulk</del>	10% Chrysotile	7 windows	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos caulk is around the windows along the north and east walls.

**Room 203**

<del>Vermiculite Ceiling Plaster</del>	10% Chrysotile	368 ft <sup>2</sup>	Friable Surfacing	Good	Physical <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>		6	None
<del>9" Floor Tile and Mastic</del>	Assumed	368 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*	Air Erosion <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Vibration <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	N/A*	The 9" floor tile and mastic are assumed ACMs.
<del>Window Caulk</del>	10% Chrysotile	3 windows	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos caulk is around the windows along the east wall.

**Room 208**

<del>9" Floor Tile and Mastic</del>	Assumed	194 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic are assumed ACMs.
<del>Window Caulk</del>	10% Chrysotile	2 windows	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos caulk is around the windows along the east wall.

**Room 209**

<del>9" Floor Tile and Mastic</del>	Assumed	194 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic are assumed ACMs.
<del>Window Caulk</del>	10% Chrysotile	2 windows	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos caulk is around the windows along the east wall.

**LEGEND TECHNICAL SERVICES, INC.**

## ACM LOCATIONS/FRIABLE MATERIALS ASSESSMENTS TABLE

LEGEND No. 0700048 (NDSU)  
HARRIS HALL (BUILDING A028)

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 210**

<del>Window Caulk</del>	10% Chrysotile	2 windows	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos caulk is around the windows along the east wall.
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**Room 211**

<del>Mastic for 12" White Floor Tile with Brown Marks</del>	5% Chrysotile	181 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The mastic only for the 12" white floor tile contains asbestos.
<del>Window Caulk</del>	10% Chrysotile	1 window	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos caulk is around the window along the east wall.

**Room 212**

<del>9" Floor Tile and Mastic</del>	Assumed	424 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic are assumed ACMs.
<del>Window Caulk</del>	10% Chrysotile	6 windows	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos caulk is around the windows along the east and south walls.
<del>Black Sink/Counter System Undercoating</del>	5% Chrysotile	1 ea	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos undercoating is on a sink/counter system in the center of the room.

**Room 214**

<del>9" Floor Tile and Mastic</del>	Assumed	164 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic are assumed ACMs.
<del>Window Caulk</del>	10% Chrysotile	2 windows	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos caulk is around the windows along the south wall.



**LEGEND TECHNICAL SERVICES, INC.**

## ACM LOCATIONS/FRIABLE MATERIALS ASSESSMENTS TABLE

LEGEND No. 0700048 (NDSU)  
HARRIS HALL (BUILDING A028)

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 215**

<del>9" Floor Tile and Mastic</del>	Assumed	226 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic are assumed ACMs.
<del>Transite Exhaust Pipe</del>	10% Chrysotile	10 ft	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos transite exhaust pipe is in the chase on the southwest corner of the room.

**Room 216**

<del>9" Floor Tile and Mastic</del>	Assumed	522 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic are assumed ACMs.
<del>Window Caulk</del>	10% Chrysotile	3 windows	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos caulk is around the windows along the south wall.
<del>Black Sink/Counter System Undercoating</del>	5% Chrysotile	1 ea	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos undercoating is on a sink/counter system in the south end of the room.
<del>Fume Hood</del>	12% Chrysotile	1 ea	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos fume hood is along the northwest corner of the room.
<del>Transite Exhaust Pipe</del>	10% Chrysotile	2 ft	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos transite exhaust pipe is on the ceiling along the north end of the room (1 above each fume hood).

**Room 218**

<del>9" Floor Tile and Mastic</del>	Assumed	528 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic are assumed ACMs.
<del>Window Caulk</del>	10% Chrysotile	7 windows	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos caulk is around the windows along the south and west walls.

\* = Non-Friable materials were not assessed

**LEGEND TECHNICAL SERVICES, INC.**

## ACM LOCATIONS/FRIABLE MATERIALS ASSESSMENTS TABLE

LEGEND No. 0700048 (NDSU)  
HARRIS HALL (BUILDING A028)

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSESS. CAT. <sup>1</sup>	NOTES
<del>Black Sink/Counter System Undercoating</del>	5% Chrysotile	1 ea	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos undercoating is on a sink/counter system in the center of the room.
<del>Transite Exhaust Pipe</del>	10% Chrysotile	1 ft	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos transite exhaust pipe is on the ceiling along the northeast corner of the room.

**Room 224**

<del>9" Floor Tile and Mastic</del>	Assumed	574 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic are assumed ACMs.
<del>Window Caulk</del>	10% Chrysotile	4 windows	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos caulk is around the windows along the north wall.
<del>Black Sink/Counter System Undercoating</del>	5% Chrysotile	1 ea	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos undercoating is on a sink/counter system in the center of the room.
<del>Transite Exhaust Pipe</del> <div>Abated April 2012</div>	10% Chrysotile	1 ft	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos transite exhaust pipe is on the ceiling along the south end of the room.

**Room 226**

<del>9" Floor Tile and Mastic</del>	Assumed	456 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic are assumed ACMs.
<del>Window Caulk</del>	10% Chrysotile	3 windows	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos caulk is around the windows along the north wall.
<del>Gray Sink Undercoating</del>	5-15% Chrysotile	1 sink	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos undercoating is on a sink along the west wall.

LEGEND TECHNICAL SERVICES, INC.

ACM LOCATIONS/FRIABLE MATERIALS ASSESSMENTS TABLE

LEGEND No. 0700048 (NDSU)

HARRIS HALL (BUILDING A028)

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSESS. CAT. <sup>1</sup>	NOTES
<del>Transite Exhaust Pipe</del>	10% Chrysotile	1 ft	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos transite exhaust pipe is on the ceiling along the southwest corner of the room.
<b>Room 228</b>								
<del>Transite Panels</del>	15% Chrysotile	48 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos transite panels are in the ceiling of the large fume hood in the northwest corner of the rooms and in the countertop.
<del>Transite Exhaust Pipe</del>	10% Chrysotile	1 ft	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos transite exhaust pipe is on the ceiling along the north end of the room.
<b>Room 229</b>								
<del>Window Caulk</del>	10% Chrysotile	2 windows	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos caulk is around the windows along the north wall.
<b>Room 231A</b>								
<del>Window Glazing</del>	20% Chrysotile	1 window	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos glazing is around the window along the south wall.
<b>Room 231B</b>								
<del>Window Glazing</del>	20% Chrysotile	2 windows	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos glazing is around the windows along the south wall.
<b>Room 231C</b>								
<del>Window Glazing</del>	20% Chrysotile	6 windows	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos glazing is around the windows along the north and south walls.

\* = Non-Friable materials were not assessed

**LEGEND TECHNICAL SERVICES, INC.**

## ACM LOCATIONS/FRIABLE MATERIALS ASSESSMENTS TABLE

LEGEND No. 0700048 (NDSU)

HARRIS HALL (BUILDING A028)

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSESS. CAT. <sup>1</sup>	NOTES
<del>Black Sink</del> <del>Undercoating</del>	3-10% Chrysotile	1 sink	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos undercoating is on a sink along the northeast corner.

**Room 231D**

<del>Window Glazing</del>	20% Chrysotile	4 windows	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos glazing is around the windows along the north and south walls.
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**Room 233**

<del>Window Glazing</del>	20% Chrysotile	2 windows	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos glazing is around the windows along the north wall; they are behind the cinderblock wall.
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**Room 234**

<del>Vermiculite Ceiling</del> <del>Plaster</del>	10% Chrysotile	224 ft <sup>2</sup>	Friable Surfacing	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	None
<del>9" Floor Tile and</del> <del>Mastic</del>	Assumed	224 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic are assumed ACMs; they are under carpet.
<del>Window Caulk</del>	10% Chrysotile	2 windows	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos caulk is around the windows along the south wall.
<del>Aircell Pipe Insulation</del>	30% Chrysotile	2 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 checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	The asbestos aircell pipe insulation runs along the south wall.
<del>Hard Fitting on Aircell</del> <del>Insulation</del>	20% Chrysotile 5% Amosite	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 checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	None

**LEGEND TECHNICAL SERVICES, INC.**

## ACM LOCATIONS/FRIABLE MATERIALS ASSESSMENTS TABLE

LEGEND No. 0700048 (NDSU)  
HARRIS HALL (BUILDING A028)

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 235**

<del>Vermiculite Ceiling Plaster</del>	10% Chrysotile	430 ft <sup>2</sup>	Friable Surfacing	Good	Physical	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	6	None
<del>9" Floor Tile and Mastic</del>	Assumed	430 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	Air Erosion	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	N/A*	The 9" floor tile and mastic are assumed ACMs.
<del>Window Caulk</del>	10% Chrysotile	4 windows	Non-Friable Miscellaneous	N/A*	Vibration	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	N/A*	The asbestos caulk is around the windows along the south wall.
<del>Gray Sink Undercoating</del>	5-15% Chrysotile	2 sinks	Non-Friable Miscellaneous	N/A*			N/A*	The asbestos undercoating is on a sinks along the north and west wall.

**Room 237**

<del>Vermiculite Ceiling Plaster</del>	10% Chrysotile	346 ft <sup>2</sup>	Friable Surfacing	Good	Physical	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	6	None
<del>9" Floor Tile and Mastic</del>	Assumed	346 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	Air Erosion	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	N/A*	The 9" floor tile and mastic are assumed ACMs.
<del>Window Caulk</del>	10% Chrysotile	4 windows	Non-Friable Miscellaneous	N/A*	Vibration	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	N/A*	The asbestos caulk is around the windows along the south and west walls
<del>Gray Sink Undercoating</del>	5-15% Chrysotile	1 sink	Non-Friable Miscellaneous	N/A*			N/A*	The asbestos undercoating is on a sink along the west wall.

**Room 238**

<del>Vermiculite Ceiling Plaster</del>	10% Chrysotile	318 ft <sup>2</sup>	Friable Surfacing	Good	Physical	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	6	None
					Air Erosion	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>		
					Vibration	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		

\* = Non-Friable materials were not assessed

**LEGEND TECHNICAL SERVICES, INC.**

## ACM LOCATIONS/FRIABLE MATERIALS ASSESSMENTS TABLE

LEGEND No. 0700048 (NDSU)  
HARRIS HALL (BUILDING A028)

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSESS. CAT. <sup>1</sup>	NOTES
<del>9" Floor Tile and Mastic</del>	Assumed	318 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic are assumed ACMs.
<del>Window Caulk</del>	10% Chrysotile	6 windows	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos caulk is around the windows along the north and west windows.

**Room 239**

<del>Vermiculite Ceiling Plaster</del>	10% Chrysotile	318 ft <sup>2</sup>	Friable Surfacing	Good	Physical <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> Air Erosion <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Vibration <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	None
<del>9" Floor Tile and Mastic</del>	Assumed	318 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs.
<del>Window Caulk</del>	10% Chrysotile	3 windows	Non-Friable Miscellaneous	N/A*	N/A*	N/A*	The asbestos caulk is around the windows along the north wall.
<del>Gray Sink Undercoating</del>	5-15% Chrysotile	1 sink	Non-Friable Miscellaneous	N/A*	N/A*	N/A*	The asbestos undercoating is on a sink along the west wall.

**Hallway 288 (includes the janitors closet between rooms 299M and 299W)**

<del>Vermiculite Ceiling Plaster</del>	10% Chrysotile	232 ft <sup>2</sup>	Friable Surfacing	Good	Physical <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> Air Erosion <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Vibration <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	Refer to ACM Locations Map for further information.
<del>9" Floor Tile and Mastic</del>	Assumed	1,016 ft <sup>2</sup>	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.
<del>Mastic for 12" White Floor Tile with Brown Marks</del>	5% Chrysotile	91 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*	N/A*	The mastic for the 12" white floor tile contains asbestos; it is between room 212 and 214.

**LEGEND TECHNICAL SERVICES, INC.**

## ACM LOCATIONS/FRIABLE MATERIALS ASSESSMENTS TABLE

LEGEND No. 0700048 (NDSU)

HARRIS HALL (BUILDING A028)

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSESS. CAT. <sup>1</sup>	NOTES
<del>Hard Fitting on Fiberglass Insulation</del>	0-15% Chrysotile 0-3% Amosite	11 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 checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	The asbestos hard fittings are in the chase in the janitors closet between rooms 299M and 299W.

**Hallway 288A**

<del>9" Floor Tile and Mastic</del>	Assumed	202 ft <sup>2</sup>	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.
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**Room 299M**

<del>Window Caulk</del>	10% Chrysotile	2 windows	Non-Friable Miscellaneous	N/A*	N/A*	N/A*	The asbestos caulk is around the windows along the east wall.
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**Room 299W**

<del>Window Caulk</del>	10% Chrysotile	2 windows	Non-Friable Miscellaneous	N/A*	N/A*	N/A*	The asbestos caulk is around the windows along the east wall.
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**North Stairway (basement-2<sup>nd</sup> floor)**

<del>Vermiculite Ceiling Plaster</del>	10% Chrysotile	465 ft <sup>2</sup>	Friable Surfacing	Good	Physical <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> Air Erosion <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Vibration <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	None
<del>9" Floor Tile and Mastic</del>	Assumed	465 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic are assumed ACMs.
<del>Window Caulk</del>	10% Chrysotile	2 windows	Non-Friable Miscellaneous	N/A*	N/A*	N/A*	The asbestos caulk is around the windows along north wall.

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

LEGEND No. 0700048 (NDSU)  
HARRIS HALL (BUILDING A028)

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSESS. CAT. <sup>1</sup>	NOTES
Exterior								
<del>Window Glazing</del>	20% Chrysotile	113 windows	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos glazing is around the exterior windows on the north, south, east, and west sides of the building.
<del>Building Seam Caulk</del>	2% Chrysotile	10 ft	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos building seam caulk is between the garage and building by room 30A.

- <sup>1</sup>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