

NARRATIVE REPORT

1.0 BUILDING INFORMATION

North Stands (Stadium) was originally constructed in 1954; a 1987 addition extended the bleachers to the west and a 1996 addition added a press box to the west end of room 201. The original building and the additions remain largely un-renovated.

North Stands (Stadium) is a single-story, 19,440 ft² building which primarily serves as work and office areas for athletics personnel.

The interior floor finishes included floor tile, carpet, ceramic tile, and concrete; the interior wall finishes included concrete, ceramic tile, wood, brick, gypsum wallboard, and concrete block; and the interior ceiling finishes included plaster, wood, metal, ceiling tile, and concrete. The roof of the structure is bleacher seating and the exterior of the structure is brick and concrete.

The piping systems were insulated; fiberglass insulation (both with and without hard fittings) is located in the building. Domestic water enters the building in room 108; the building does not utilize steam. HVAC systems located in the building consisted of forced air furnaces with heating/cooling coils and small unit heaters (natural gas).

2.0 ASBESTOS SURVEY INFORMATION

North Stands (Stadium) was surveyed as part of a larger project on NDSU's Fargo, ND Campus. This report is part of "Volume 5" of a nine volume series. This report includes building specific information only; please refer to the opening section of "Volume 5" for methodologies, definitions, and other pertinent supporting information.

A total of 66 samples were collected from suspect asbestos-containing materials (ACM) from North Stands (Stadium) on October 2, 2007 and an additional 1 sample was collected on January 17, 2008. Laboratory analysis results indicate **13 of these samples tested positive for asbestos**.

2.1 Suspect Materials Identified and Sampled

Exterior Window Glazing	Exterior Window Caulk
Exterior Door Caulk	Exterior Air Vent Caulk
Exterior Tar/Plastic Pipe Wrap	Exterior Penetration Putty (2 types)
Exterior Base Sealant (at ground level)	Exterior Building Seam Caulk (5 types)
Exterior Non-Slip Stairway Coating	Carpet Mastic (3 types)
Window Glazing	Glue Puck (residual) (2 types)
Ceiling Tile (5 types)	Gypsum Wallboard (2 types)
Joint Compound	Plaster- Skimcoat (2 types)
Plaster- Basecoat (2 types)	Rock Lattice
Floor Tile	Floor Tile Mastic
Baseboard Adhesive (2 types)	Building Seam Caulk
Window Glazing on Door	HVAC Canvas Connector
HVAC Duct Caulk	Hard Fittings on Fiberglass Insulation
Hard Pack Insulation on HVAC Duct	Penetration Mud/Putty (2 types)
Paper Wrap (on exhaust ducts)	

The Asbestos Bulk Sample Results Table includes asbestos sampling data.

2.2 Asbestos Containing Materials

Exterior Air Vent Caulk
Exterior Penetration Putty (1 type)
Exterior Building Seam Caulk (1 type)
Black Glue Pucks (residual)
2'x4' Ceiling Tile with Widthwise Fissures and Pinholes
Window Glazing on Door
Hard Fittings on Fiberglass Insulation
Penetration Mud (around exhaust duct)
Paper Wrap (on exhaust ducts)
Penetration Putty (on large phone cable)

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 North Stands (Stadium) as follows:

ACM	QUANTITY	UNIT COST	TOTAL COST
Asbestos Air Vent Caulk	2 ea	\$125.00/ ea	\$250.00
Asbestos Building Seam Caulk	10 ft	\$25.00/ ft	\$250.00
Asbestos Penetration Mud/Putty	3 ea	\$60.00/ ea	\$180.00
Asbestos Glue Pucks	60 ft ²	\$7.50/ ft ²	\$450.00
Asbestos Ceiling Tile	3 ea	\$50.00/ ea	\$150.00
Asbestos Window Glazing on Door	2 ea	\$225.00/ ea	\$450.00
Asbestos Hard Fittings On Fiberglass Insulation	4 ea	\$60.00/ ea	\$240.00
Asbestos Paper Wrap (on exhaust ducts)	15 ea	\$60.00/ ea	\$900.00
Total Estimated Abatement Costs:			\$2,870.00

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

LEGEND No. 0700048 (NDSU)
NORTH STANDS (STADIUM) (BUILDING A045)

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM CAT. ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSESS. CAT. ¹	NOTES
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Room 101A

Penetration Putty (on large phone cable)	15% Chrysotile	1 ea	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The penetration putty is on the large black phone cable on the east wall.
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Room 102

Window Glazing on Door	3% Chrysotile	1 ea	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	There is only one door to the room, it is on the north wall.
Paper Wrap (on exhaust ducts)	60% Chrysotile	8 ea	Friable Miscellaneous	Significantly Damaged	Physical Air Erosion Vibration	<input type="checkbox"/> ■ <input type="checkbox"/> <input type="checkbox"/> ■ <input type="checkbox"/> <input type="checkbox"/> ■ <input type="checkbox"/>	4	The paper wrap is on the exhaust ducts for the hot water heater. It runs along the south and west walls of the room.

Room 111

Window Glazing on Door	3% Chrysotile	1 ea	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	There is only one door to the room, it is on the north wall.
Paper Wrap (on exhaust ducts)	60% Chrysotile	5 ea	Friable Miscellaneous	Significantly Damaged	Physical Air Erosion Vibration	<input type="checkbox"/> ■ <input type="checkbox"/> <input type="checkbox"/> ■ <input type="checkbox"/> <input type="checkbox"/> ■ <input type="checkbox"/>	4	The paper wrap is on the exhaust ducts for the hot water heater. It runs along the north wall of the room.
Hard Fittings on Fiberglass Insulation	15% Chrysotile	2 ea	Friable TSI	Good	Physical Air Erosion Vibration	<input type="checkbox"/> ■ <input type="checkbox"/> <input type="checkbox"/> ■ <input type="checkbox"/> <input type="checkbox"/> ■ <input type="checkbox"/>	5	The hard fittings are along the west wall.
Penetration Mud (around exhaust duct)	30% Chrysotile	1 ea	Friable Miscellaneous	Significantly Damaged	Physical Air Erosion Vibration	<input type="checkbox"/> ■ <input type="checkbox"/> <input type="checkbox"/> ■ <input type="checkbox"/> <input type="checkbox"/> ■ <input type="checkbox"/>	4	The penetration mud is around the exhaust duct penetration in the northeast corner of the room.

Room 112A

Hard Fittings on Fiberglass Insulation	15% Chrysotile	2 ea	Friable TSI	Good	Physical Air Erosion Vibration	<input type="checkbox"/> ■ <input type="checkbox"/> <input type="checkbox"/> ■ <input type="checkbox"/> <input type="checkbox"/> ■ <input type="checkbox"/>	5	The hard fittings are along the west wall.
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* = Non-Friable materials were not assessed

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Room 201

Black Glue Pucks (residual)	10% Chrysotile	60 ft ²	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The glue pucks are above the ceiling tile on the east end of the room.
2'x4' Ceiling Tile widthwise fissures and pinholes	Removed April 2023	3 ea	Friable Miscellaneous	Damaged	Physical <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Air Erosion <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Vibration <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		4	The ceiling tiles were used as a replacement in this room. They are along the west end of the room.
	Removed May 2013							

Exterior

Air Vent Caulk	3% Chrysotile	2 ea	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	There are 2 air vents with asbestos caulk on them. They are the air vents above the doors for rooms 102 and 111.
Penetration Putty (on large phone cable)	10% Chrysotile	1 ea	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The penetration putty is on the large black phone cable on the east end of the building.
Building Seam Caulk	3% Chrysotile	10 ft	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos caulk is where the exterior metal walls of room 201 meet the north brick wall. (the west location is in the press box)

¹Assessment 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