

1.0 **BUILDING INFORMATION**

CI Nelson Hall was originally constructed in 1939; a 1964 addition extended the building to the northwest. The building has had several renovations; notably, a 2001 (approx.) renovation throughout the 1<sup>st</sup> floor of the building.

CI Nelson Hall is a two-story, 4,642 ft<sup>2</sup> building which primarily serves as classroom areas.

The interior floor finishes included floor tile, concrete, and epoxy flooring; the interior wall finishes included gypsum wallboard, concrete, ceramic tile, and plaster; and the interior ceiling finishes included plaster and gypsum wallboard. The roofing system is a peaked asphalt shingled roof and the exterior of the structure is brick.

The piping systems were insulated; fiberglass insulation (without hard fittings) is located in the building. Steam and domestic water enter the building in room 4. HVAC systems located in the building consisted of steam radiators and a forced air furnace with heating/cooling coils.

2.0 **ASBESTOS SURVEY INFORMATION**

CI Nelson Hall was surveyed as part of a larger project on NDSU's Fargo, ND Campus. This report is part of "Volume 1" of a nine volume series. This report includes building specific information only; please refer to the opening section of "Volume 1" for methodologies, definitions, and other pertinent supporting information.

A total of 38 samples were collected from suspect asbestos-containing materials (ACM) from CI Nelson Hall on June 19, 2007 and an addition 1 sample was collected on December 12, 2007. Laboratory analysis results indicate **4 of these samples tested positive for asbestos.**

2.1 **Suspect Materials Identified and Sampled**

Gypsum Wallboard	Joint Compound
Baseboard Adhesive (3 types)	Floor Tile
Floor Tile Mastic	HVAC Duct Lining
Hard Plaster- Basecoat (2 types)	Hard Plaster- Skim Coat (2 types)
Stair Tread	Stair Tread Adhesive
Epoxy Flooring	Exterior Window Glazing (4 types)
Exterior Window Caulk	Roof Flashing (2 types)
Asphalt Shingle	Roof Tarpaper

The Asbestos Bulk Sample Results Table includes asbestos sampling data.

2.2 **Asbestos Containing Materials**

9" Floor Tile and Mastic (assumed)  
Exterior Window Glazing (3 types)  
Stair Tread Adhesive

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 CI Nelson Hall as follows:

ACM	QUANTITY	UNIT COST	TOTAL COST
Asbestos Floor Tile and Mastic	1,144 ft <sup>2</sup>	\$4.00/ ft <sup>2</sup>	\$4,576.00
Asbestos Window Glazing	25 ea	\$225.00/ ea	\$5,625.00
Asbestos Stair Tread Adhesive	36 ft <sup>2</sup>	\$4.00/ ft <sup>2</sup>	\$144.00
<b>Total Estimated Abatement Costs:</b>			<b>\$10,345.00</b>

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

LEGEND No. 0700048 (NDSU)  
CI NELSON HALL (BUILDING A004)

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSES. CAT. <sup>1</sup>	NOTES
<b>Room 2</b> Abated September 2008								
<del>9" Floor Tile and Mastic</del>	Assumed	540 ft <sup>2</sup>	Friable Miscellaneous	Damaged	Physical Air Erosion Vibration	<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"/> <input type="checkbox"/>	4	Approx. 20% of the material has been damaged and has been rendered friable. The remaining 80% may be considered non-friable.
<b>Room 6 (and small closet under the stairway)</b> Abated September 2008								
<del>9" Floor Tile and Mastic</del>	Assumed	523 ft <sup>2</sup>	Friable Miscellaneous	Damaged	Physical Air Erosion Vibration	<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"/> <input type="checkbox"/>	4	Approx. 20% of the material has been damaged and has been rendered friable. The remaining 80% may be considered non-friable.
<b>Room 7</b> Abated September 2008								
<del>9" Floor Tile and Mastic</del>	Assumed	81 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic have been assumed to be ACM.
<b>Stairway 88</b> Abated September 2008								
<del>Stair Tread Adhesive</del>	3% Chrysotile	36 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	None
<b>Exterior</b> Abated May 2015								
<del>Window Glazing</del>	3% Chrysotile	25 ea	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	There are 4 small windows surrounded by glass block, 2 long ribbon windows, and 19 regular windows with asbestos glazing on the building.

<sup>1</sup>Assessment Categories:

- |   |   |
|---|---|
| 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**

\* = Non-Friable materials were not assessed