

NARRATIVE REPORT

1.0 BUILDING INFORMATION

The ANPC building was originally constructed in 1960; a 2001 addition extended the building to the west. During the addition, the west end of the 1960 building was also renovated.

The ANPC building is a two-story, 59,268 ft² building which primarily serves as office areas and work areas for livestock personnel.

The interior floor finishes included concrete, floor tile, sheet vinyl flooring, and epoxy flooring; the interior wall finishes included gypsum wallboard, concrete block, metal, wood, reinforced fiberboard, and plaster; and the interior ceiling finishes included ceiling tile, gypsum wallboard, concrete, metal, and wood. The roofing system is a peaked metal roof and the exterior of the structure is metal, brick, and stucco.

The piping systems were insulated; fiberglass insulation (without hard fittings) and neoprene insulation are located in the building. Water enters the building in room 218A; one natural gas boiler is located in room 218A and two are located in room 218. The building supplies domestic water and heating/cooling lines to the Safety Office (A095). HVAC systems located in the building consisted of steam unit heaters and forced air furnaces with heating/cooling coils.

2.0 ASBESTOS SURVEY INFORMATION

The ANPC building 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 56 samples were collected from suspect asbestos-containing materials (ACM) from the ANPC building on August 28, 2007, an additional 3 samples were collected on December 6, 2007, and an additional 4 samples were collected on December 27, 2007. Laboratory analysis results indicate **3 of these samples tested positive for asbestos.**

2.1 Suspect Materials Identified and Sampled

Rope Gasket (3 types)	Black Lab Countertop (2 types)
Transite Fume Hood	Sink Undercoating (3 types)
Expansion Joint Material (in concrete flooring)	Sheet Vinyl Flooring
Encapsulant on Fiberglass Insulation	Floor Tile
Floor Tile Mastic	HVAC Duct Caulk
Ceiling Tile (2 types)	Gypsum Wallboard (2 types)
Joint Compound (2 types)	Hard Plaster- Skimcoat (on concrete)
Hard Plaster- Basecoat (on concrete)	Wall Texture
Exterior Building Seam Caulk (3 types)	Exterior Window Caulk
Exterior Door Caulk	Stucco
Exterior Penetration Putty (around electric line)	Baseboard Adhesive
Roof Caulk	Roof Flashing
Window Glazing on Door	Asphalt/Tar Roofing Material (old roof)
Roofing Felts (old roof)	Roof Tarpaper (old roof)
Roof Flashing (old roof)	

The Asbestos Bulk Sample Results Table includes asbestos sampling data.

2.2 **Asbestos Containing Materials**

Black Lab Countertop (1 type)
Transite Fume Hood
Black Sink Undercoating (1 type)

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 the ANPC building as follows:

ACM	QUANTITY	UNIT COST	TOTAL COST
Asbestos Black Lab Countertop	4 ea	\$350.00/ ea	\$1,400.00
Asbestos Transite Fume Hood	1 ea	\$350.00/ ea	\$350.00
Asbestos Sink Undercoating	1 ea	\$150.00/ ea	\$150.00
Total Estimated Abatement Costs:			\$1,900.00

2.4 **Survey Notes**

LEGEND observed a small quantity of black lab countertops throughout the building that were mobile workbenches/desks. These black lab countertops are not building materials and were not sampled or quantified by LEGEND during the asbestos survey. However, LEGEND recommends assuming these materials to be ACM.

As part of the 2001 addition/renovations a new peaked metal roof was added over the 1960 building. The old flat built-up roof remains in the attic spaces that were created above the 1960 building during the addition of the peaked metal roof. LEGEND sampled the old flat built-up roof system and the new peaked metal roof system.

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

LEGEND No. 0700048 (NDSU)
ANPC (BUILDING A046)

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSESS. CAT. ¹	NOTES
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Room 202B

Black Lab Countertop	20% Chrysotile	4 ea	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	There is 1 table along the east wall, 1 along the north wall, 1 in the center of the room, and 1 in the southwest corner (with a fume hood on it).
Transite Fume Hood	15% Chrysotile	1 ea	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The fume hood is in the southwest corner of the room on a black lab countertop.

Room 202J

Black Sink Undercoating	10% Chrysotile	1 ea	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	There is only one sink in the room; it is in the southeast corner.
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¹Assessment 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