

# NARRATIVE REPORT

## 1.0 BUILDING INFORMATION

Pharmacy Radiation Lab was originally constructed in 1963 and has had no major renovations.

Pharmacy Radiation Lab is a single-story, 1,508 ft<sup>2</sup> building which primarily serves as work areas for pharmacy personnel.

The interior floor finishes included concrete; the interior wall finishes included concrete and metal; and the interior ceiling finishes included concrete and wood. The roofing system is a flat built-up roof over the east end of the building and the exterior of the structure is metal on the east end of the building; the west end of the building is underground.

Piping systems were not present; the building does not utilize domestic water or steam. HVAC systems were also not present.

## 2.0 ASBESTOS SURVEY INFORMATION

Pharmacy Radiation Lab was surveyed as part of a larger project on NDSU's Fargo, ND Campus. This report is part of "Volume 6" of a nine volume series. This report includes building specific information only; please refer to the opening section of "Volume 6" for methodologies, definitions, and other pertinent supporting information.

A total of 18 samples were collected from suspect asbestos-containing materials (ACM) from Pharmacy Radiation Lab on October 5, 2007. Laboratory analysis results indicate **4 of these samples tested positive for asbestos.**

### 2.1 Suspect Materials Identified and Sampled

Roof Penetration Tar (on air vent)	Exterior Tar (on concrete wall)
Exterior Penetration Putty (on electric conduit)	Asphalt Shingle Sheets (2 types)
Exterior Building Seam Caulk (at bottom of tin sheets)	Roof Flashing (2 types)
Roof Tarpaper	Air Vent Caulk
Foundation Caulk	Door Caulk
Transite Panels	Firestop
Ceiling Coating	Wall Texture (patch area)

The Asbestos Bulk Sample Results Table includes asbestos sampling data.

### 2.2 Asbestos Containing Materials

Exterior Penetration Putty (on electric conduit)  
Roof Flashing (2 types)  
Transite Panels

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 Pharmacy Radiation Lab as follows:

ACM	QUANTITY	UNIT COST	TOTAL COST
Asbestos Roof Flashing	800 ft <sup>2</sup>	\$10.00/ ft <sup>2</sup>	\$8,000.00
Asbestos Penetration Putty	1 ea	\$60.00/ ea	\$60.00
Asbestos Transite Panels	22 ft <sup>2</sup>	\$5.00/ ft <sup>2</sup>	\$110.00
<b>Total Estimated Abatement Costs:</b>			<b>\$8,170.00</b>

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

LEGEND No. 0700048 (NDSU)  
PHARMACY RADIATION LAB (BUILDING A062)

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 01A**

Transite Panels	15% Chrysotile	22 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The transite panels are on the wall around the inside of the doorway.
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**Exterior**

Penetration Putty (on electric conduit)	15% Chrysotile	1 ea	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos penetration putty is on the east end of the building south of the garage door on an electric conduit.
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**Roof**

Flashing (used as a patch)	10% Chrysotile	800 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos flashing is on the upper and lower roofs over the east end of the building, it was used as a patch material. Each roof is 400 ft <sup>2</sup> .
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<sup>1</sup>Assessment Categories:

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

**End**