

Asbestos Inspection Report Northfield News Building 115 5th Street West, Northfield, Minnesota

Prepared for:

Nate Carlson City of Northfield 801 Washington Street Northfield, MN 55057

June 3, 2024

Asbestos Inspection Report

Northfield News Building 115 5th Street West Minneapolis, Minnesota

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1.0 Executive Summary

Landmark Environmental, LLC (Landmark) was retained by the City of Northfield (Client) to complete an asbestos survey (Survey) at the former Northfield News building located at 115 5th Street West in Northfield, Minnesota (the Property). The Property building is composed of two separate aged buildings that were joined into one in the past. During the Survey, each building was sampled individually.

A summary of the Survey results are as follows:

Landmark collected 88 bulk asbestos samples as part of the inspection. The contracted laboratory, SanAir Technologies Laboratory (SanAir) separated these 88 samples into 109 individual layer samples and all 109 individual layer samples were analyzed.

Based on the laboratory report, suspect building materials found to contain asbestos includes: 9" x 9" floor tile, floor tile mastic, stair tread, stair tread mastic, felt pipe insulation, white paper on ductwork, gray sealant on stucco, caulk, joint compound, green floor tile under carpet, white sink undercoating, floor sheeting under linoleum.

Building materials assumed to contain asbestos include – **electric panel, fire doors, wainscotting adhesive, ceramic floor tile, mortar, and grout.** Asbestos-containing material (ACM) should not be cut, drilled, sanded, or disturbed.

Vermiculite was observed in the south area of the basement and the 1st floor mechanical room off the garage in the building. The vermiculite was sampled and found to contain <1% Actinolite/Tremolite asbestos.

The joint compound applied to the gypsum wallboard was found to contain asbestos in the west building. This material, as determined by the Environmental Protection Agency (EPA) in response to its applicability to the National Emission Standard for Hazardous Air Pollutants (NESHAP), becomes an integral part of the wallboard, forming a wall system. Reference document from the EPA Office of Air Quality Planning and Standards, September 4, 1992, Stationary Source Compliance Division. In this case, the wall system contains less than one-percent asbestos and therefore is not included in the asbestos database. OSHA requires that all contractors and employees who may disturb this material must be made aware that the joint compound contains asbestos. Appropriate precautions should be taken by anyone impacting the joint compound.

Electrical wiring and panels were not sampled. Landmark does not perform bulk sampling of electrical equipment unless it has been shut down and tagged by a licensed electrician.

This Survey identifies asbestos as they existed on the day of the Survey at the Property. Conditions may change over time.

This Survey should <u>not be used</u> as a bidding document. The ACM quantities provided are estimates and must be verified by the bidding contractors.

Landmark completed an asbestos survey report (Report) at the Property. The procedures used for this Survey and assessment comply with the Environmental Protection Agency (EPA), Occupational Safety and Health Administration (OSHA), Minnesota Department of Health (MDH), and Minnesota Pollution Control Agency (MPCA) asbestos standards.

2.1 Purpose

Landmark was retained by the Client to complete the Survey and Report for the purposes of understanding asbestos-related conditions and quantities of ACM in the Property building.

2.2 Survey Approach

The Survey and assessment, consisting of identifying, sampling, assessing, and quantifying suspect ACM within the Property building, was conducted on May 22, 2024.

2.3 Assumptions, Limitations and Exceptions

The findings and recommendations in this Report are subject to the following assumptions, limitations, and/or exceptions:

- Destructive investigation and sampling were not conducted in the Property building as part of the Survey. No attempt was made to locate materials inside walls, doors, ducts, roofs, hard ceilings, and other areas that would require destructive entry. The possibility exists that materials may be present at these locations. Materials observed, or suspected in these areas, are assumed to be ACM if sampling was not possible.
- Old electrical wiring and panels were not sampled. Landmark does not perform bulk sampling of electrical equipment unless it has been shut down and tagged by a licensed electrician.
- This Survey identifies materials as they existed on the day of the survey. Conditions may change over time.

2.4 Qualifications

The Survey was conducted by Mark Meier and Sarah Anderson, accredited asbestos building inspectors with Landmark. A photocopy of the inspector's MDH certification is included in Appendix A.

Asbestos sample analysis for this project was conducted by SanAir located in North Chesterfield, Virginia. SanAir is accredited by the National Voluntary Accreditation Program (NVLAP lab code 200870-0).

3.0 Sampling Methods and Analysis

3.1 Bulk Asbestos Sampling

Building diagrams were utilized to divide the Property building into functional spaces for the purposes of describing sampling locations. The Property building is composed of two separate aged buildings that were joined into one in the past. During the Survey, each building was sampled individually. The building diagram with sample locations has been included in Appendix B.

Similar systems and materials were grouped into "homogeneous areas of building materials" (homogeneous materials). Homogeneous materials often exist in more than one functional space within the Property building. Each homogeneous material was assigned a discrete number; the homogeneous material number is indicated in the first number of the sample name. Multiple samples of each homogeneous material were taken in accordance with the EPA-Asbestos Hazard Emergency Response Act (AHERA) guidelines using a random sampling procedure. These multiple samples were designated "A, B, C," etc. for each homogeneous material, as indicated in the sample name. The sample locations and sample descriptions are shown on the building diagram and the asbestos laboratory report in Appendix B.

Samples were collected by carefully removing a small representative sample of the suspect material and sealing it in a plastic bag.

3.2 Bulk Asbestos Analysis

Landmark collected 88 bulk asbestos samples as part of the inspection. SanAir separated these 88 samples into 109 individual layer samples and all 109 individual layer samples were analyzed. The laboratory results are presented in the attached report in Appendix B.

The bulk samples were analyzed by polarized light microscopy (PLM) with dispersion staining, EPA method 600/R-93/116 and EPA method 600/M4-82-020. Quantity determinations are made by visual estimation. For each homogeneous material, once a positive sample was identified, the remaining samples were not analyzed.

EPA National Emission Standards for Hazardous Air Pollutants (NESHAP)-Rule 40 CFR Part 61 states that samples found to contain less than 10% asbestos by visual estimation may be further quantified by point count analysis.

The Asbestos rule states that all multi-layer systems, except for wall systems where joint compound was used only at the joints and nail holes, must be analyzed as separate materials. If any layer contains greater than one percent asbestos, that layer must be

treated as asbestos-containing. This requires all layers in a multi-layered system to be treated as asbestos-containing if the layers cannot be separated without disturbing the asbestos-containing layer.

Asbestos samples will be held for 30 days after the date of this report.

3.3 Chain of Custody Procedures

To ensure that samples collected in the field are neither lost nor their identity misidentified, all samples, from the point of collection to receipt in the laboratory, proceeds as follows. Each sample is first assigned a unique and distinct sampling number. After a sample is placed into a plastic bag, that unique number is assigned to that bag. This same number is documented on the laboratory's chain of custody. The inspector signs each chain of custody before delivering to the lab. Upon receipt of the samples, the lab analyst verifies that each sample matches the corresponding chain of custody number and signs and dates the chain of custody. After analysis, the analyst generates a report that includes the sample results and the project chain of custody forms.

4.0 Asbestos-Containing Material Assessment

In each functional space, each homogeneous material was quantified and assessed for friability (i.e. material can be crumbled, pulverized, or reduced to powder by hand pressure when dry). Suspect ACM was then assessed as to their condition and potential for disturbance. This information was recorded on the asbestos physical assessment shown in Appendix C. The model for this system is described in the *EPA Draft Curriculum for Training Building Inspectors*.

5.1 Summary of Asbestos-Containing Materials

Suspect homogeneous material found to contain asbestos and their sample numbers include:

Thermal Insulation

Felt pipe insulation (Sample 20).

Surfacing Material – None Observed

Miscellaneous Materials

9" x 9" floor tile, black (Sample 3).

Floor tile mastic under 9" black floor tile (Sample 4).

Floor tile mastic under floor leveling compound (Sample 13).

Stair tread (Sample 15).

Mastic under stair tread (Sample 16).

White tape on ductwork (Sample 21).

Gray sealant on stucco (Sample 30).

Caulk on glass block windows (Sample 31).

Green floor tile (Sample 57).

Floor tile mastic under green floor tile (Sample 58).

White sink undercoating (Sample 60).

Floor sheeting under linoleum (Sample 62).

Assumed Materials

Electric panels

Fire doors

Ceramic floor tile, mortar and grout

Wainscoting adhesive

5.2 Summary of Non-Asbestos-Containing Materials

Suspect ACM is considered negative for asbestos when all samples of the material are found to contain one percent or less asbestos. Suspect homogeneous material found to be negative includes:

East Building

- 1. Sheetrock and joint compound (Sample 1).
- 2. Plaster (Sample 2).

- 3. Glass block grout (Sample 5).
- 4. Black baseboard and adhesive (Samples 6, 7).
- 5. Vermiculite (Sample 8).
- 6. Sheetrock under plaster (Sample 9).
- 7. Shredded wood wallboard (Sample 10).
- 8. Countertop, stone pattern (Sample 11).
- 9. Countertop, black (Sample 12).
- 10. Floor leveler compound (Sample 13).
- 11. Countertop near fireplace (Sample 14).
- 12. Tarpaper under stair tread (Sample 17).
- 13. Stair riser and adhesive (Samples 18, 19).
- 14. Particle wallboard (Sample 22).
- 15. Wall texture (Sample 23).
- 16. 2' x 4' ceiling tile, white with fissures and pinholes (Sample 24).
- 17. White cellulose insulation (Sample 25).
- 18. Stucco (Sample 26).
- 19. Window caulk, pink (Sample 27).
- 20. Expansion joint, white (Sample 28).
- 21. Black tar waterproofing (Sample 29).
- 22. Garage door caulk (Sample 30).

West Building

- 1. Sheetrock and joint compound (Sample 50).
- 2. Plaster (Sample 51).
- 3. 2' x 4' ceiling tile, white with chicken track pattern (Sample 52).
- 4. 2' x 4' ceiling tile, white with fissures and holes (Sample 53).
- 5. 1' x 1' ceiling tile, white with dots (Sample 54).
- 6. Brown insulation with tarpaper (Sample 55).
- 7. Wall texture (Sample 56).
- 8. 2' x 4' ceiling tile, white with large dents and holes (Sample 59).
- 9. Linoleum, tan with brown speckled (Sample 61).
- 10. Tan baseboard and adhesive (Samples 63, 64).
- 11. 2' x 4' ceiling tile, white with light fissures and holes (Sample 65).
- 12. White furnace putty (Sample 66).
- 13. Floor leveling compound (Sample 67).
- 14. Glass block window grout (Sample 68).
- 15. Black waterproofing on foundation (Sample 69).
- 16. Caulk, white (Sample 70).

Based on the Survey and assessment results, as well as the proposed future use of the Property building, the following recommendations for each ACM are summarized below.

Description	Total Estimated	Recommendation
Thermal System Insulation		
Felt pipe insulation	8 linear feet (lf	Maintain
Surfacing Material	None observed	
Miscellaneous Materials		
9" x 9" black floor tile, and mastic	2,850 square feet (s	f) Maintain
Floor tile mastic under floor leveler	2,400 sf	Maintain
Stair tread, black and mastic	100 sf	Maintain
White tape on ductwork	24 lf	Maintain
Gray sealant on stucco	20 sf	Maintain
Caulk on glass block windows	12 lf	Maintain
Green floor tile and mastic under carpet	180 sf	Maintain
White sink undercoating	1 sink	Maintain
Floor sheeting under linoleum	360 sf	Maintain
Assumed Materials		
Electric panels	28 panels S	Sample Prior to Disturban
Fire doors	1 door S	Sample Prior to Disturban
Ceramic floor tile, mortar and grout	500 sf S	Sample Prior to Disturban
Wainscoting adhesive	320 sf S	Sample Prior to Disturban

This Survey was conducted for purposes of understanding asbestos-related conditions and quantities of ACM at the Property building.

No **attempt was** made to locate materials inside walls, doors, siding, ducts, roofs, hard ceilings, and other areas that would require destructive entry. If suspect materials are encountered during renovation, work should stop immediately and the materials should be sampled for asbestos content or assumed to contain asbestos and properly removed by a licensed asbestos abatement contractor.

Electrical wiring and panels were not sampled and were assumed to contain asbestos. Landmark does not perform bulk sampling of electrical equipment unless it has been shut down and tagged by a licensed electrician.

Vermiculite was observed in the south area of the basement and the 1st floor mechanical room off the garage of the building. The vermiculite was sampled and found to contain <1% Actinolite/Tremolite asbestos. The Minnesota Pollution Control Agency released a letter that strongly recommend assuming vermiculite contained asbestos.

The joint compound applied to the gypsum wallboard was found to contain asbestos in the west building. This material, as determined by the Environmental Protection Agency (EPA) in response to its applicability to the National Emission Standard for Hazardous Air Pollutants (NESHAP), becomes an integral part of the wallboard, forming a wall system. Reference document from the EPA Office of Air Quality Planning and Standards, September 4, 1992, Stationary Source Compliance Division. In this case, the wall system contains less than one-percent asbestos and therefore is not included in the asbestos database. OSHA requires that all contractors and employees who may disturb this material must be made aware that the joint compound contains asbestos. Appropriate precautions should be taken by anyone impacting the joint compound.

7.0 Signatures of Environmental Professional(s)

We declare that, to the best of our professional knowledge and belief, the Survey referenced by this report, and the report itself, were conducted in accordance with intent of the EPA, MPCA, MDH, AHERA regulations to the best of my ability and knowledge.

Mark Meier, Senior Environmental Scientist Asbestos Building Inspector AI-3893 Eric Gabrielson, Vice President Asbestos Building Inspector AI-10463

Appendices

Appendix A



Director, Env. Health Div.

ASBESTOS

OF HEALTH
Certified by:
State of Minnesota
Department of Health
Expires: 05/31/2024

Sarah C Anderson 4340 Brook Ln St Louis Park, MN 55436

No A18342

Issued 07/07/2023

Certificate No: 5LM05292413IR

This is to certify that

Expiration Date: May 29, 2025

Sarah C. Anderson

has attended and successfully completed an

ASBESTOS INSPECTOR REFRESHER TRAINING COURSE

the State of Minnesota under Minnesota Rules 4620.3702 to 4620.3722 Section 206 of Title II of the Toxic Substances Control Act (TSCA) and meets the requirements of conducted by permitted by

Lake States Environmental, Ltd.

Attended Remotely on May 29, 2024 Examination Date: May 29, 2024

Lake States Environmental, Ltd.
P. O. Box 645, Rice Lake, WI 54868
www.lakestates.com
(800) 254-9811



Training Instructor



Director, Env. Health Div.

ASBESTOS
DEPARTMENT OF HEALTH
COFTHEALTH
Certified by:
State of Minnesota
Department of Health
Expires: 05/31/2024
Mark W Meier
7570 Dallas Ln N
Maple Grove, MN 55311

No. Al3893

Issued: 06/06/2023



Appendix B



The Identification Specialists

Analysis Report prepared for Landmark Environmental

Report Date: 5/29/2024

Project Name: Northfield News

Project #: 24101-01

SanAir ID#: 24028803



NVLAP LAB CODE 200870-0

10501 Trade Court | North Chesterfield, Virginia 23236 888.895.1177 | 804.897.1177 | fax: 804.897.0070 | IAQ@SanAir.com | SanAir.com



Name: Landmark Environmental Address: 9555 James Avenue South

Suite 262

Bloomington, MN 55431

Phone: 952-295-9400

Project Number: 24101-01

P.O. Number:

Project Name: Northfield News

Collected Date: 5/22/2024

Received Date: 5/23/2024 10:20:00 AM

Dear Mark Meier,

We at SanAir would like to thank you for the work you recently submitted. The 82 sample(s) were received on Thursday, May 23, 2024 via UPS. The final report(s) is enclosed for the following sample(s): 1A, 1B, 1C, 2A, 2B, 2C, 2D, 2E, 2F, 2G, 3, 4, 5, 6, 7, 8A, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20A, 20B, 21, 22, 23A, 23B, 23C, 24, 25, 26A, 26B, 26C, 26D, 26E, 27, 28, 29, 30, 31, 32, 50A, 50B, 50C, 51A, 51B, 51C, 52, 53, 54, 55, 56A, 56B, 56C, 56D, 56E, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 8B, 8C, 8D, 8E, 8F, 8G.

These results only pertain to this job and should not be used in the interpretation of any other job. This report is only complete in its entirety. Refer to the listing below of the pages included in a complete final report.

Sincerely,

Sandra Sobrino

Asbestos & Materials Laboratory Manager

Sandra Sobiino

SanAir Technologies Laboratory

Final Report Includes:

- Cover Letter
- Analysis Pages
- Disclaimers and Additional Information

Sample conditions:

- 6 samples in Discrepancy w/ COC condition. (#77, #78, #79, #80, #81, #82)
- 76 samples in Good condition.



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Project Number: 24101-01

P.O. Number:

Project Name: Northfield News

Collected Date: 5/22/2024

Received Date: 5/23/2024 10:20:00 AM

Analyst: Tallert, Jonathan | Pisula, Nicholas | Williams, Darien | Mayes, Jean | Sanchez, Meivis | Drakes, Renaldo | Sobrino, Sandra |

Forman, Sydney

Asbestos Bulk PLM EPA 600/R-93/116

	Stereoscopic	Com	ponents	
SanAir ID / Description	Appearance	% Fibrous	% Non-fibrous	Asbestos Fibers
1A / 24028803-001 SR & JC, Sheetrock	White Non-Fibrous Homogeneous	5% Cellulose	95% Other	None Detected
1A / 24028803-001 SR & JC, Joint Compound	White Non-Fibrous Homogeneous		100% Other	None Detected
1B / 24028803-002 SR & JC, Sheetrock	White Non-Fibrous Homogeneous	5% Cellulose	95% Other	None Detected
1B / 24028803-002 SR & JC, Joint Compound	White Non-Fibrous Homogeneous		100% Other	None Detected
1C / 24028803-003 SR & JC, Sheetrock	White Non-Fibrous Homogeneous	5% Cellulose	95% Other	None Detected
1C / 24028803-003 SR & JC, Joint Compound	White Non-Fibrous Homogeneous		100% Other	None Detected
2A / 24028803-004 Plaster, Plaster	Gray Non-Fibrous Homogeneous		100% Other	None Detected
2A / 24028803-004 Plaster, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected
2B / 24028803-005 Plaster, Plaster	Gray Non-Fibrous Homogeneous		100% Other	None Detected
2B / 24028803-005 Plaster, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected

Analyst:

Approved Signatory:

Sandra Asbiino Date:

5/29/2024 Analysis Date:



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Asbestos Bulk PLM EPA 600/R-93/116

	Stereoscopic	Components		
SanAir ID / Description	Appearance	% Fibrous	% Non-fibrous	Asbestos Fibers
2C / 24028803-006 Plaster, Plaster	Gray Non-Fibrous Homogeneous		100% Other	None Detected
2C / 24028803-006 Plaster, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected
2D / 24028803-007 Plaster, Plaster	Gray Non-Fibrous Homogeneous		100% Other	None Detected
2D / 24028803-007 Plaster, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected
2E / 24028803-008 Plaster, Plaster	Gray Non-Fibrous Homogeneous		100% Other	None Detected
2E / 24028803-008 Plaster, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected
2F / 24028803-009 Plaster, Plaster	Gray Non-Fibrous Homogeneous		100% Other	None Detected
2F / 24028803-009 Plaster, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected
2G / 24028803-010 Plaster, Plaster	Gray Non-Fibrous Homogeneous		100% Other	None Detected
2G / 24028803-010 Plaster, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected

Analyst:

Analysis Date:

Approved Signatory:

Date: 5/29/2024



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Forman, Sydney

Asbestos Bulk PLM EPA 600/R-93/116

	Stereoscopic	Com	ponents	
SanAir ID / Description	Appearance	% Fibrous	% Non-fibrous	Asbestos Fibers
3 / 24028803-011 9x9 FT	Black Non-Fibrous Homogeneous		97% Other	3% Chrysotile
4 / 24028803-012 Mastic	Black Non-Fibrous Homogeneous		97% Other	3% Chrysotile
5 / 24028803-013 Glass Block Grout	Gray Non-Fibrous Homogeneous		100% Other	None Detected
6 / 24028803-014 BB	Black Non-Fibrous Homogeneous		100% Other	None Detected
7 / 24028803-015 BB Adh	Tan Non-Fibrous Homogeneous		100% Other	None Detected
8A / 24028803-016 Vermiculite	Gold Non-Fibrous Heterogeneous		100% Other	< 1% Actinolite
9 / 24028803-017 SR Under Plaster	White Non-Fibrous Homogeneous	3% Cellulose	97% Other	None Detected
10 / 24028803-018 Shredded Wood Wallboard	Various Fibrous Heterogeneous	80% Cellulose	20% Other	None Detected
11 / 24028803-019 Countertop Stone Pattern Linoleum, Linoleum	Various Non-Fibrous Heterogeneous	30% Cellulose	70% Other	None Detected
11 / 24028803-019 Countertop Stone Pattern Linoleum, Mastic	Yellow Non-Fibrous Homogeneous		100% Other	None Detected

Analyst:

Analysis Date:

V / 5/29/2024

Approved Signatory:

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Asbestos Bulk PLM EPA 600/R-93/116

	Stereoscopic	Com	ponents	
SanAir ID / Description	Appearance	% Fibrous	% Non-fibrous	Asbestos Fibers
12 / 24028803-020 Countertop Linoleum, Linoleum	Black Fibrous Homogeneous	65% Cellulose	35% Other	None Detected
12 / 24028803-020 Countertop Linoleum, Mastic	Brown Non-Fibrous Homogeneous		100% Other	None Detected
13 / 24028803-021 Floor Leveler Under FT, Leveler	Gray Non-Fibrous Homogeneous		100% Other	None Detected
13 / 24028803-021 Floor Leveler Under FT, Mastic	Black Non-Fibrous Homogeneous		97% Other	3% Chrysotile
14 / 24028803-022 Countertop Near Firepalce	Various Non-Fibrous Heterogeneous	30% Cellulose	70% Other	None Detected
15 / 24028803-023 Stair Tread, 1x2 FT	Black Non-Fibrous Homogeneous		97% Other	3% Chrysotile
16 / 24028803-024 Tread Mastic	Black Non-Fibrous Homogeneous		97% Other	3% Chrysotile
17 / 24028803-025 Tar Paper Under Tread Tile, Tar Paper	Black Fibrous Homogeneous	65% Cellulose	35% Other	None Detected
17 / 24028803-025 Tar Paper Under Tread Tile, Mastic	Brown Non-Fibrous Homogeneous		100% Other	None Detected
18 / 24028803-026 Stair Riser	Black Non-Fibrous Homogeneous		100% Other	None Detected

Analyst:

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Approved Signatory:

Date: 5/29/2024

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Asbestos Bulk PLM EPA 600/R-93/116

	Stereoscopic	Com	oonents	
SanAir ID / Description	Appearance	% Fibrous	% Non-fibrous	Asbestos Fibers
19 / 24028803-027 Adh	Yellow Non-Fibrous Homogeneous		100% Other	None Detected
20A / 24028803-028 Felt Pipe Insulation, Wrap	White Fibrous Homogeneous	95% Cellulose	5% Other	None Detected
20A / 24028803-028 Felt Pipe Insulation, Felt Insulation	Brown Fibrous Homogeneous	90% Cellulose	10% Other	None Detected
20A / 24028803-028 Felt Pipe Insulation, Tar Paper	Black Fibrous Homogeneous	70% Cellulose	30% Other	None Detected
20A / 24028803-028 Felt Pipe Insulation, Insulation	Tan Fibrous Homogeneous	55% Cellulose	15% Other	30% Chrysotile
20B / 24028803-029 Felt Pipe Insulation, Wrap	White Fibrous Homogeneous	95% Cellulose	5% Other	None Detected
20B / 24028803-029 Felt Pipe Insulation, Felt Insulation	Brown Fibrous Homogeneous	90% Cellulose	10% Other	None Detected
20B / 24028803-029 Felt Pipe Insulation, Tar Paper	Black Fibrous Homogeneous	70% Cellulose	30% Other	None Detected
21 / 24028803-030 Tape Duct Sealant	Tan Fibrous Homogeneous		35% Other	65% Chrysotile
22 / 24028803-031 Particle Wallboard	Brown Fibrous Homogeneous	65% Cellulose	35% Other	None Detected

Analyst:

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Approved Signatory:

Analysis Date: 5/29/2024

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Asbestos Bulk PLM EPA 600/R-93/116

	Stereoscopic	Com	ponents	
SanAir ID / Description	Appearance	% Fibrous	% Non-fibrous	Asbestos Fibers
23A / 24028803-032 Wall Texture	White Non-Fibrous Homogeneous		100% Other	None Detected
23B / 24028803-033 Wall Texture	White Non-Fibrous Homogeneous		100% Other	None Detected
23C / 24028803-034 Wall Texture	White Non-Fibrous Homogeneous		100% Other	None Detected
24 / 24028803-035 2x4 CT Fiss & Pinholes	White Fibrous Homogeneous	45% Cellulose 35% Glass	20% Other	None Detected
25 / 24028803-036 Cellulose Insulation	White Fibrous Homogeneous	90% Min. Wool	10% Other	None Detected
26A / 24028803-037 Stucco	Gray Non-Fibrous Homogeneous		100% Other	None Detected
26B / 24028803-038 Stucco	Gray Non-Fibrous Homogeneous		100% Other	None Detected
26C / 24028803-039 Stucco	Gray Non-Fibrous Homogeneous		100% Other	None Detected
26D / 24028803-040 Stucco	Gray Non-Fibrous Homogeneous		100% Other	None Detected
26E / 24028803-041 Stucco	Gray Non-Fibrous Homogeneous		100% Other	None Detected

Analyst:

st: 1/3/allth

Approved Signatory:

Date: 5/29/2024



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Suite 262

Bloomington, MN 55431

Phone: 952-295-9400

Project Number: 24101-01

P.O. Number:

Project Name: Northfield News

Collected Date: 5/22/2024

Received Date: 5/23/2024 10:20:00 AM

Analyst: Tallert, Jonathan | Pisula, Nicholas | Williams, Darien | Mayes, Jean | Sanchez, Meivis | Drakes, Renaldo | Sobrino, Sandra |

Forman, Sydney

Asbestos Bulk PLM EPA 600/R-93/116

	Stereoscopic	Com	ponents	
SanAir ID / Description	Appearance	% Fibrous	% Non-fibrous	Asbestos Fibers
27 / 24028803-042 Window Caulk	Pink Non-Fibrous Homogeneous		100% Other	None Detected
28 / 24028803-043 Expansion Joint	White Non-Fibrous Homogeneous		100% Other	None Detected
29 / 24028803-044 Tar Waterproofing	Black Non-Fibrous Homogeneous	2% Cellulose	98% Other	None Detected
30 / 24028803-045 Sealant On Stucco	Gray Non-Fibrous Heterogeneous		98% Other	2% Chrysotile
31 / 24028803-046 Caulk On Glass Block	Gray Non-Fibrous Heterogeneous		97% Other	3% Chrysotile
32 / 24028803-047 Caulk On Garage Door - East	Tan Non-Fibrous Homogeneous		100% Other	None Detected
50A / 24028803-048 SR & JC, Sheetrock	Gray Non-Fibrous Homogeneous	5% Cellulose	95% Other	None Detected
50A / 24028803-048 SR & JC, Joint Compound	White Non-Fibrous Homogeneous		100% Other	None Detected
50B / 24028803-049 SR & JC, Sheetrock	Gray Non-Fibrous Homogeneous	5% Cellulose	95% Other	None Detected
50B / 24028803-049 SR & JC, Joint Compound	White Non-Fibrous Homogeneous		100% Other	None Detected

Analyst:

Analysis Date:

1/3/allto

5/29/2024

Approved Signatory:

Date: 5/29/2024



Name: Landmark Environmental Address: 9555 James Avenue South

Suite 262

Bloomington, MN 55431

Phone: 952-295-9400

Project Number: 24101-01

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Forman, Sydney

Asbestos Bulk PLM EPA 600/R-93/116

	Stereoscopic	Com	ponents	
SanAir ID / Description	Appearance	% Fibrous	% Non-fibrous	Asbestos Fibers
50C / 24028803-050 SR & JC, Sheetrock	Gray Non-Fibrous Homogeneous	5% Cellulose	95% Other	None Detected
50C / 24028803-050 SR & JC, Joint Compound	Tan Non-Fibrous Homogeneous		98% Other	2% Chrysotile
50C / 24028803-050 SR & JC, Composite	Various Non-Fibrous Heterogeneous	5% Cellulose	95% Other	< 1% Chrysotile
51A / 24028803-051 Plaster	Gray Non-Fibrous Homogeneous		100% Other	None Detected
51B / 24028803-052 Plaster, Plaster	Gray Non-Fibrous Homogeneous		100% Other	None Detected
51B / 24028803-052 Plaster, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected
51C / 24028803-053 Plaster, Plaster	Gray Non-Fibrous Homogeneous		100% Other	None Detected
51C / 24028803-053 Plaster, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected
52 / 24028803-054 2x4 CT Chx Tracks	White Fibrous Homogeneous	60% Cellulose 30% Min. Wool	10% Other	None Detected
53 / 24028803-055 2x4 CT, Fiss & Holes	White Fibrous Homogeneous	60% Cellulose 30% Min. Wool	10% Other	None Detected

Analyst:

: 1/3/allite

Approved Signatory:

Date: 5/29/2024

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Bloomington, MN 55431

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Forman, Sydney

Asbestos Bulk PLM EPA 600/R-93/116

	Stereoscopic	Com	ponents	
SanAir ID / Description	Appearance	% Fibrous	% Non-fibrous	Asbestos Fibers
54 / 24028803-056 1x1 CT W/ Dots	White Fibrous Homogeneous	95% Cellulose	5% Other	None Detected
55 / 24028803-057 Insul W/ Tar Paper, Insulation	Brown Fibrous Homogeneous	95% Cellulose	5% Other	None Detected
55 / 24028803-057 Insul W/ Tar Paper, Tar Paper	Black Fibrous Homogeneous	95% Cellulose	5% Other	None Detected
56A / 24028803-058 Wall Texture	White Non-Fibrous Homogeneous		100% Other	None Detected
56B / 24028803-059 Wall Texture	White Non-Fibrous Homogeneous		100% Other	None Detected
56C / 24028803-060 Wall Texture	White Non-Fibrous Homogeneous		100% Other	None Detected
56D / 24028803-061 Wall Texture	White Non-Fibrous Homogeneous		100% Other	None Detected
56E / 24028803-062 Wall Texture	White Non-Fibrous Homogeneous		100% Other	None Detected
57 / 24028803-063 FT Under Carpet	Green Non-Fibrous Homogeneous		95% Other	5% Chrysotile
58 / 24028803-064 Mastic, Mastic	Black Non-Fibrous Homogeneous		97% Other	3% Chrysotile

Analyst:

1/3/allto

Approved Signatory:

Analysis Date: 5/29/2024

Date: 5/29/2024



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Analyst: Tallert, Jonathan | Pisula, Nicholas | Williams, Darien | Mayes, Jean | Sanchez, Meivis | Drakes, Renaldo | Sobrino, Sandra |

Forman, Sydney

Asbestos Bulk PLM EPA 600/R-93/116

	Stereoscopic	Comp	onents	
SanAir ID / Description	Appearance	% Fibrous	% Non-fibrous	Asbestos Fibers
58 / 24028803-064 Mastic, Mastic	Yellow Non-Fibrous Homogeneous		100% Other	None Detected
59 / 24028803-065 2x4 CT, Large Ducts & Holes	White Fibrous Homogeneous	60% Cellulose 30% Min. Wool	10% Other	None Detected
60 / 24028803-066 Sink SD	White Non-Fibrous Homogeneous		97% Other	3% Chrysotile
61 / 24028803-067 W/ Speckled Linoleum	Tan Non-Fibrous Heterogeneous	15% Cellulose	85% Other	None Detected
62 / 24028803-068 Flooring Under Linoleum	Tan Non-Fibrous Heterogeneous		85% Other	15% Chrysotile
63 / 24028803-069 BB	Tan Non-Fibrous Homogeneous		100% Other	None Detected
64 / 24028803-070 BB Adh	Yellow Non-Fibrous Homogeneous		100% Other	None Detected
65 / 24028803-071 2x4 CT, Light Fiss Holes	Tan Fibrous Heterogeneous	40% Cellulose 30% Glass	30% Other	None Detected
66 / 24028803-072 Furnace Putty	White Non-Fibrous Homogeneous		100% Other	None Detected
67 / 24028803-073 Floor Leveler	White Non-Fibrous Homogeneous		100% Other	None Detected

Analyst:

95/auro

Approved Signatory:

Date: 5/29/2024



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Forman, Sydney

Asbestos Bulk PLM EPA 600/R-93/116

	Stereoscopic	Con	Components				
SanAir ID / Description	Appearance	% Fibrous	% Non-fibrous	Asbestos Fibers			
68 / 24028803-074 Glass Block Grout	Gray Non-Fibrous Homogeneous		100% Other	None Detected			
69 / 24028803-075 Water Proofing On Foundation	Black Non-Fibrous Homogeneous		100% Other	None Detected			
70 / 24028803-076 Caulk, Rear Entry Landing	White Non-Fibrous Homogeneous		100% Other	None Detected			
8B / 24028803-077 Vermiculite	Gold Non-Fibrous Heterogeneous		100% Other	< 1% Actinolite			
8C / 24028803-078 Vermiculite	Gold Non-Fibrous Heterogeneous		100% Other	< 1% Actinolite			
8D / 24028803-079 Vermiculite	Gold Non-Fibrous Heterogeneous		100% Other	< 1% Actinolite			
8E / 24028803-080 Vermiculite	Gold Non-Fibrous Heterogeneous		100% Other	< 1% Actinolite			
8F / 24028803-081 Vermiculite	Gold Non-Fibrous Heterogeneous		100% Other	< 1% Actinolite			
8G / 24028803-082 Vermiculite	Gold Non-Fibrous Heterogeneous		100% Other	< 1% Actinolite			

Analyst:

Approved Signatory:

Analysis Date:

5/29/2024

ry: Sandra Sobiino Date: 5/29/2024

Disclaimer

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NYELAP Disclaimer:

Polarized- light microscopy is not consistently reliable in detecting asbestos in floor covering and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Asbestos Accreditations

National Voluntary Laboratory Accreditation Program (NVLAP) Lab Code 200870-0
City of Philadelphia Department of Public Health Air Management Services, Certification#ALL-460
Commonwealth of Pennsylvania Department of Environmental Protection Number 68-05397
California State Environmental Laboratory Accreditation Program Certificate Number 2915
Colorado Department of Public Health and Environment Registration Number AL-23143
Connecticut Department of Public Health Environmental Laboratory Registration Number PH-0105
Massachusetts Department of Labor Standards Asbestos Analytical Services License Number:
AA000222

State of Maine Department of Environmental Protection License Number: LB-0075, LA-0084 New York State Department of Health Laboratory ID: 11983

State of Rhode Island Department of Health Certification No.: PCM00126, PLM00126, TEM00126 Texas Department of State Health Services License Number: 300440

Commonwealth of Virginia Department of Professional and Occupational Regulation Number: 3333000323

State of Washington Department of Ecology Laboratory ID: C989

State of West Virginia Bureau for Public Health Analytical Laboratory Number: LT000616

Vermont Department of Health License Number: Asb-Co-An-000006

Louisiana Department of Environmental Quality Al Number 212253, Certificate #05088

Revision Date: 4/18/2023 Page 14 of 17



1551 Oakbridge Dr. STE B Powhatan, VA 23139 804.897.1177 / 888.895.1177 Fax 804.897.0070

Asbestos Chain of Custody Form 140, Rev 2, 5/18/18

74078803

SanAir ID Number

Technologies Laboratory

Sanair.com

Company: Landmark

Address: 9555 James Avenue South - Suite 262

City, St., Zip: Bloomington, MN, 55431

State of Collection.MN

Account#: 3426

Project Name: Northfield News

Project #: 24101 - 01

Collect by.

Phone #: 952-295-9400

Fax #:

Email: mmeier@landmarkenv.com

Bulk

Air

Soil

2-93/116 (Qual.)	
2 Soil	
B 435 (LOD <1%)	
(LOD 0.25%)	
(LOD 0.1%)	
M D-6480	
ASTM D-5755	
	
	
24 HR	
5 Days	

Special Instructions	If Sheetrock or Joint Compound is found to be >1% asbestos, report as single mate	rials and composite	<u>ب ث تا</u>		24.24
Sample #	Sample Identification/Location	Volume or Area	Sample Date	Flow Rate*	Start – Stop Time*
1 ABICIDE	5 SRIJC			4	8.0
2ABCDEF	6 plaster	1 7			
3'''	'9x9 FT				
4	Black Mastic	al best and			
5	Black Mastic	10		1	
4	Black BB	Au po			
7	BB Alh				
8	vermiculite	A			
9	SR under plaster	- 7.16			
10	Shreddedwood wallsoard				
- //	Conntertop stone patern linde	euen			
12	to black lindle	un			

Relinquished by	Date	Time	Received by	Date	Time
			IRM	5123/21	10:20cm

Sample#	Sample Identification/Location	Volume or Area	Sample Date	Flow Rate*	Start – Stop Time*
13	floor leveler under FT				
14	Canterton year Dreplace	e-			
15	Stair Tread, Black	XZFT			
14	Tread martie				
17	Tar paper under Tread to	4			
18	Stair Fiser				
19	# Adh	,			
20 AB	Felt pipe Insulation	+			
21	white tape Duct Sealant				
22	PANTICLE / Wall Board				
23 A,B,C	2x4CT fiss pinholes				
25	white cellulose Insulation				
26 AB GD	10 TH				
27	Window Canlle pink			ļ	
28	Expansion Joint, white			 	
29	Black Tax waterproofing			-	
30	Gray Sealant on Stuces				
31	Canik on glass block	#-			
32	Can Ik in sarare door - Eas	1	•	1	
50 AB,	a Sparic				
51 AB	Chartocks				
52	2 4 CT for while				
55	1x/CT white we dots			76	
	Known Insul zul tar paper				
56 A.B.C	DENAIL Texture				
57	Green FT under carpet		n	-	
58	Black Mastic			-	
59	244 CT, large dents; holes)		-	
10	White Child S.D.				

ecial Instructions			and the state of t		and the second s
Relinquished by	Date	Time	Received by	Date	Time 10'loc
				urnaround time for all sa	mnles received after 3 pm



1551 Oakbridge Dr. STE B Powhatan, VA 23139 804.897.1177 / 888.895.1177 Fax 804.897.0070

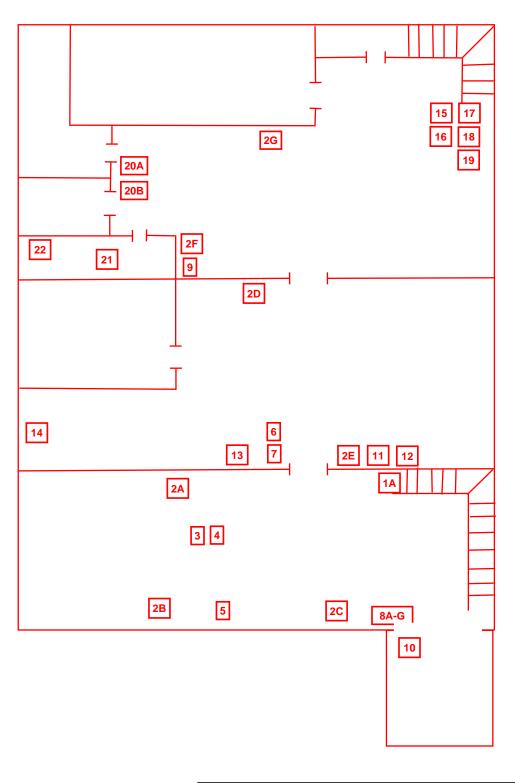
Asbestos Chain of Custody Form 140, Rev 2, 5/18/18 24028803

SanAir ID Number

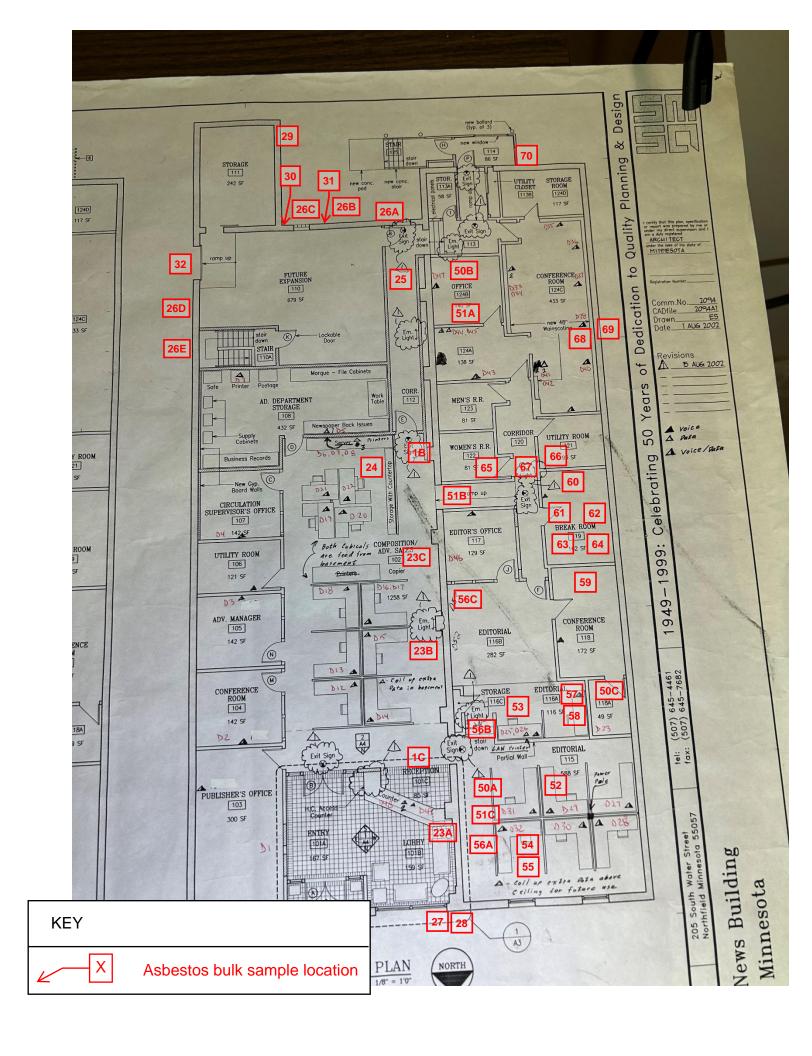
Fax 804.897.0070 Form 140, Rev 2, 5/18/

Company	Landmark	(————————————————————————————————————				Project#:			Collect by.		× = 4 = •	
Address	9555 James	Avenue South	- Suit	e 262	Project Name:				Phone #: 952-295-9400			
City, St., 2	_{Zip:} Bloomir	igton, MN, 55	431		Date Collected	ſ:			Fax#:			
	ollection.MN	Account#: 3			P.O. Number:					neier@	@landmarke	
	Bulk	Tioodigar.			Aiı	1			Soil		grandmarke	TIV.COIII
ABB	PLM EPA 6	00/R-93/116	1	ABA	PCM N	IOSH 7400		ABSE		_	-93/116 (Qual.)	
	Positive S	Stop 🗸		ABA	-2 OSHA	w/ TWA*		-	Vermicu	lite &	Soil	
ABEPA	PLM EPA 4	00 Point Count		ABT	EM TEM A	HERA		ABSP	PLM CAR			
ABBIK	PLM EPA 10	000 Point Count		ABA	TN TEM N	OSH 7402		ABSP1	PLM CAR	B 435	(LOD 0.25%)	
ABBEN				ABT:	2 TEM Le	vel II		ABSP2	PLM CAR	B 435	(LOD 0.1%)	╌╫╼╾╣
ABBCH	ABBCH TEM Chatfield**			Other	::			1) Du	ef.		
ABBTM	TEM EPA N	OB**			New Yo	rk ELAP		ABWA	TEM Wipe		/I D-6480	
ABQ	PLM Qualita	tive		ABEP				ABDMV	TEM Micro	ovac A	STM D-5755	
**	Available on 2	4-hr. to 5-day TAT		ABEN	Y NY ELA	P 198.6 PLM	NOB	╢'	!			_ _
	Water			ABBN	Y NY ELA	P 198.4 TEM	NOB	Matrix	Oth			
ABHE	EPA 100.2			<u></u>				T) LIATERITY		<u>er</u>		
			 						L			
iu	m Around	3 HR (4 I	IR TE	M)	6 HR	(8HR TEM)		12 HR			24 HR	
	Times		2 Days	5		3 Days		4 D	ays		5 Days	
Special I	nstructions	If Sheetrack or Joint Co	mpound	is found to	be >1% asbestos, r	eport as single mate	erials and compo	usite	1		-	
Sa	mple#	Sam	ple Id	lentific	ation/Locati	on	Volume or Area	1 1	I		Start - Ste Time*	op
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	70	Caulk, WI	nt	4	Bar g	ity lan	line					
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Relinquis	heg by	Date 22-211	٠,	121A	lime	Receive	ed by	D D	ate	<u> </u>	Time	

115 5th Street West Northfield, MN







Appendix C

115 5TH STREET WEST, NORTHFIELD, MINNESOTA ASBESTOS-CONTAINING MATERIAL ASSESSMENT DATABASE

	Functional					Height		Disturbance	Homog.
Floor	Space	Location	Type	Description	Quantity	(Feet)	Condition	Potential	Material
Bsmt	1	South Area	MISC	9" x 9" floor tile, black	400 sf	1	G	L	3
Bsmt	1	South Area	MISC	Floor tile mastic	400 sf	1	G	L	4
Bsmt	1	South Area	MISC	Electric panel	8 panels	5	G	L	Assumed
Bsmt	2	Middle Area	MISC	9" x 9" floor tile, black	2400 sf	1	G	L	3
Bsmt	2	Middle Area	MISC	Floor tile mastic	2400 sf	1	G	L	4
Bsmt	2	Middle Area	MISC	Floor tile mastic under floor leveling compound	2400 sf	1	G	L	13
Bsmt	3	North Area	MISC	9" x 9" floor tile, black	567 sf	1	G	L	3
Bsmt	3	North Area	MISC	Floor tile mastic	567 sf	1	G	L	4
Bsmt	3	North Area	MISC	Stairtread, black	100 sf	1-14	G	L	15
Bsmt	3	North Area	MISC	Black mastic under stairtread	100 sf	1-14	G	L	16
		Restrooms &							
Bsmt	4	Mechanical Room	MISC	Electric panels	4 panels	5	G	L	Assumed
Bsmt	4	Restrooms & Mechanical Room	MISC	9" x 9" floor tile, black	50 sf	1	G	L	3
Bsmt	4	Restrooms & Mechanical Room	MISC	Floor tile mastic	50 sf	1	G	L	4
		Restrooms &							
Bsmt	4	Mechanical Room	TSI	Felt pipe insulation	8 If	7	F	L	20
		Restrooms &							
Bsmt	4	Mechanical Room	MISC	White tape on ductwork	24 lf	5-7	G	L	21
5.4	_			Ti. 1 (0)	4 1	4 =			
B-1	5	Stairwell and Garage	MISC	Fire door (Strennel Bros.)	1 door	1-7	G	L	Assumed
B-1	5	Stairwell and Garage	MISC	Electric panels	8 panels	5	G	L	Assumed

115 5TH STREET WEST, NORTHFIELD, MINNESOTA ASBESTOS-CONTAINING MATERIAL ASSESSMENT DATABASE

	Functional					Height		Disturbance	Homog.
Floor	Space	Location	Type	Description	Quantity	(Feet)	Condition	Potential	Material
		Front Lobby, Open Area							
		and Hallway From		9" ceramic floor tile (red and gray boarder), mortar					
1	6	Garage	MISC	and grout	450 sf	1	G	L	Assumed
1	7	East Side Offices		No ACM Observed					
1	8	East Exterior	MISC	Ceramic floor tile, mortar and grout	50 sf	1	G	L	Assumed
1	8	East Exterior	MISC	Gray sealant on stucco	20 sf	0-4	G	L	30
1	8	East Exterior	MISC	Caulk on glass block window	12 lf	1-5	G	L	31
		West Front Open Area &							
1	9	Glass Office	MISC	Green floor tile under carpet	180 sf	1	G	L	57
		West Front Open Area &							
1	9	Glass Office	MISC	Floor tile mastic under green floor tile	180 sf	1	G	L	58
		West Side Offices &							
1	10	Break Room	MISC	White sink undercoating	1 sink	3	G	L	60
		West Side Offices &							
1	10	Break Room	MISC	Floor sheeting under linoleum	160 sf	0	G	L	62
1	11	West Restrooms	MISC	Floor sheeting under linoleum	200 sf	0	G	L	62
1	12	Utility Room		No ACM Observed					
1	13	Hallway		No ACM Observed					
		Back Office, Conference							
1	14	Rm, & Rear Entry	MISC	Wainscoting adhesive	320 sf	0-4	G	L	Assumed

5/31/2024

115 5TH STREET WEST, NORTHFIELD, MINNESOTA ASBESTOS-CONTAINING MATERIAL ASSESSMENT DATABASE

		Functional					Height		Disturbance	Homog.
F	loor	Space	Location	Туре	Description	Quantity	(Feet)	Condition	Potential	Material
			Back Office, Conference							
	1	14	Rm, & Rear Entry	MISC	Electric panel	8 panels	5	G	L	Assumed
	1	15	West Exterior		No ACM Observed					

Condition: G=Good F=Fair P=Poor