Non-Destructive Hazardous Building Materials Inspection Report

Former South St. Paul Public Library
106 3rd Avenue North
South Saint Paul, Minnesota

Prepared for

City of South St. Paul

Project B2408409
October 22, 2024

Braun Intertec Corporation

BRAUN INTERTEC
The Science You Build On.

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October 22, 2024 Project B2408409

Ms. Monika Miller
City of South St. Paul
125 3rd Avenue North
South St. Paul, MN 55075

Re: Non-Destructive Hazardous Building Materials Inspection
Former South St. Paul Public Library
106 3rd Avenue North
South Saint Paul, Minnesota

Dear Ms. Miller:

Braun Intertec Corporation received authorization from the City of South St. Paul to conduct a Non-Destructive Hazardous Building Materials (HazMat) Inspection of the Former South St. Paul Public Library site located at 106 3rd Avenue North in South St. Saint Paul, Dakota County, Minnesota (Site) in accordance with the scope of services described in the Braun Intertec proposal approved by Monika Miller, the Associate Planner for the City, dated July 3, 2024 for the South St. Paul Library *Adaptive Re-Use Feasibility Study (the "Adaptive Re-Use Feasibility Study")*.

The Site is owned by the City of South St. Paul. The existing library sits on a 20,390 square foot area of the 0.47-acre Site. The site is adjacent to the Dakota County Historical Society and across the street from the South Metro Fire Department and South St. Paul City Hall. The existing building consists of the original 2-story 1927 building, with its mid-level entry, a 1964 2-level addition, and a 1996 elevator addition. In 1999, a garage area, that was located in the east part of the 1964 addition, was converted into an administrative space, with a small meeting room and mechanical space.

The objective of the HazMat Inspection was to identify asbestos-containing materials (ACM) and other hazardous materials associated with the Site building that require abatement/special handling and proper disposal before future renovation or demolition activities. A complete discussion of our assessment is included in the attached HazMat Inspection Report.

We appreciate the opportunity to provide our professional services to you for this project. If you have any questions or comments regarding this report or the project in general, please contact Justin Michael at 612.214.1638 or JMichael@braunintertec.com

Sincerely,

BRAUN INTERTEC CORPORATION

Nicholas Lattu
Staff Scientist

Justin Michael
Supervisor, Senior Scientist

Attachment: Non-Destructive Hazardous Building Materials Inspection Report

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A. Introduction

Braun Intertec Corporation received authorization from the City of South St. Paul (the "Client") to conduct a Non-Destructive Hazardous Building Materials (HazMat) Inspection of the Former South St. Paul Public Library site located at 106 3rd Avenue North in South Saint Paul, Minnesota (Site) in accordance with the scope of services described in the Braun Intertec proposal approved effective September 3, 2024.

The objective of the HazMat Inspection was to identify asbestos-containing materials (ACM) and other regulated building materials associated with the Site building that require abatement/special handling and proper disposal prior to future renovation or demolition activities.

B. Site Background and Description

The Site is located at 106 3rd Avenue North in South Saint Paul, Minnesota, and is owned by the City of South St. Paul. The City of South St. Paul provided Braun Intertec a copy of a building reuse assessment report, prepared for the City of South St. Paul, and dated November 14, 2016 (2016 LSE Assessment). The existing library occupies approximately 7,325 square feet (SF) of the 0.47-acre Site, while another approximate 8,300 SF of the Site is covered by impervious surfaces such as parking and concrete walkways (2016, LSE). The site is adjacent to the Dakota County Historical Society and across the street from the South Metro Fire Department/South St. Paul City Hall. The existing building consists of the original 2-story 1927 building, with its mid-level entry, a 1964 2-level addition, and a 1996 elevator addition. In 1999, the existing garage was converted into an administrative space, with a small meeting room office, and mechanical space (2016, LSE). The 2016 LSE Assessment also indicated that there were potential moisture intrusion concerns in areas of the 1964 addition and its connection point with the 1927 portion.

C. Scope of Services

The Scope of Services completed by Braun Intertec was limited to:

- Review available reports and information concerning building construction (e.g., as-builts drawings, property condition assessments) and/or previous HazMat inspections prepared for the Site.
- Visually examine accessible areas and identify locations of suspect ACM, lead-based paint (LBP), mercury, and other miscellaneous hazardous material.

- Collect and analyze representative bulk samples of materials suspected of containing asbestos.
- Conduct limited LBP testing of various painted building components that may be recycled and/or impacted as part of future demolition.
- Assign a hazard rating based on asbestos content with respect to the materials condition, friability, accessibility, and hazard potential.
- Document the various materials' current conditions and estimate ACM quantities based on visual observations.
- Generate a final report documenting the sample locations, analysis results, conditions, estimated ACM quantities and recommendations.

D. Investigation Results

D.1. Asbestos

From October 3 to October 7, 2024, Nicholas Lattu, a Minnesota Department of Health (MDH) Asbestos Inspector (No: AI14925), of Braun Intertec collected 60 bulk samples from homogenous materials from the Site building. These samples were submitted to EMSL Analytical, Inc. laboratory on October 4, 2024, for analysis of asbestos content using the polarized microscopy (PLM) method the United States Environmental Protection Agency (EPA) Method 600/R-93/116. Bulk asbestos analysis was conducted in accordance with EPA Method 40 Code of Federal Regulations (CFR), Chapter 1, Part 763, Subpart F, and Appendix A (7/1/87 Edition).

Table 1 lists individual functional spaces of the building, the suspect materials identified in the functional space(s), associated sample number, whether the suspect material was identified by analysis to be ACM, an estimated amount of each suspect material for the functional space, and material conditions based on subjective observations made by our representatives. The report and associated Chain of Custody is provided in Appendix A.

D.1.a. Asbestos-Containing Materials

The following building materials were identified to contain greater than one percent asbestos, resulting in a classification of ACM per the EPA and Occupational Safety and Health Administration (OSHA) regulatory definition:

- Gray caulking located between the exterior brick around the building.
- Gray caulking located around the windows, 1927 and 1964 sections of the building.
- Black mastic located in the interior, 1927 and 1964 sections.
- 9-inch by 9-inch gray and white and gray floor tile associated with black mastic.
- Black seam sealer located on the roof.
- Black caulking on the parapet in the 1927 section of the building.
- TSI, fittings, basement 1927 building area.
- TSI, piping, 1-inch to 6-inch pipes, in the basement of the 1927 area.
- TSI, piping, in the basement of the 1927 area.
- Mesh Wrap, TSI Piping and fittings in the basement of the 1927 area.

The following building materials were unable to be accessed and sampled during the HazMat Inspection. Based on the age of the building and the knowledge and experience of the inspectors, the following materials are assumed to contain asbestos until destructive sampling is required or can be completed:

- Black pucks behind bathroom mirrors.

D.1.b. Non-Asbestos-Containing Materials

Suspect homogeneous materials identified and subsequently sampled for asbestos content during the HazMat Inspection that were found to contain no asbestos or contain one percent or less asbestos (classified as non-ACM per regulatory definition) are listed in Tables I and II.

D.2. Lead-Based Paint

The various painted surfaces were tested using a SciAps X-ray Fluorescence (XRF) field analyzer model IX550Pb (Au), Serial number 02482. The SciAps is a portable, non-destructive, in-situ test and measurement instrument. The scope of the limited LBP was intended to aid the Contractor in developing the project budget and OSHA worker safety compliance.

Analysis decision-making protocols were based on compliance with the EPA and MDH, which consider any XRF result of 1.0 milligram per square centimeter (mg/cm^2) or greater to be LBP. Table 3 lists the sample numbers, sample locations, component descriptions, XRF field results, and the paint condition for each sample.

The following building materials were identified to contain LBP:

- White wood molding crown (doors and windows, 1927)
- Window trim, white, exterior of 1927 portion
- Red metal corner wall guard

- Pipe cover, red, building exterior
- Yellow paint, main library area in 1927 portion, wall paneling, window trim, etc. (**Not associated with plaster)**
- White trim and molding, 1927 basement
- Purple door trim, 1927 basement
- Brown painted pipe, 1927 basement

D.3. Miscellaneous Regulated Waste

A visual inspection for miscellaneous regulated waste materials that require separate handling and disposal prior to disturbance during building demolition was also performed at the Site. The following is a list of items documented at the Site:

D.3.a. Polychlorinated Biphenyls (PCBs)

- Light ballasts
- Electrical panels

D.3.b. Mercury

- Electrical Systems – emergency lighting system, supply relays, control switches
- Heating –thermometers, gauges, unit heater controls, thermostats
- Lighting – fluorescent lamps and high intensity discharge lamps

D.3.c. Chlorofluorocarbons and Hydrochlorofluorocarbons

- Refrigerants – central air-conditioning units, refrigerators, and fire extinguishers

D.3.d. Hazardous Waste

- Chemicals – paints cans
- Petroleum products – oils (in pails, etc.), door closers, spray lubricants, motors

D.3.e. Miscellaneous

- Aerosol spray cans
- Air compressors
- Antifreeze
- Door closers
- Electronic equipment
- Grease
- Lubricants
- Miscellaneous cleaning supplies
- Paint
- Paint thinner
- Polyurethane
- Solid waste
- Solvents
- Spray paints
- Water heater

E. Conclusions

The HazMat Inspection conducted between October 2 and October 7, 2024, identified various building materials that contain asbestos or LBP. The sections below describe the regulatory criteria to handle and dispose of the identified hazardous building materials.

E.1. Asbestos

According to EPA 40 CFR Part 61 National Emission Standard for Hazardous Air Pollutants (NESHAPs), ACM must be identified and classified according to friability prior to demolition or renovation activity. ACMs identified during the inspection were classified as Regulated ACM (RACM, "friable"), Category I Non-Friable, or Category II Non-Friable ACM. Table 1 lists these categories as specified for each material. As the relative hazard associated with each category can vary, state and federal regulations manage these categories differently when regulating disturbance and abatement activities.

E.1.a. Regulated Asbestos-Containing Material

Friable ACM, or RACM, was identified in the Site building. All friable ACM is considered RACM, along with Category I and Category II Non-Friable ACM that has become or has a high probability of becoming friable. Refer to Table 1, which shows each functional space where RACM was found at the Site building. RACM must be maintained in good condition until wholly removed by a licensed abatement contractor. All RACM must be removed prior to the start of demolition activities.

E.1.b. Category I Non-Friable Asbestos-Containing Materials

Category I Non-Friable ACMs were identified at the Site building. Category I Non-Friable ACMs are exclusively asbestos-containing packings, gaskets, resilient floor coverings, resilient floor covering mastics, and asphalt roofing products that contain more than one percent asbestos. Refer to Table 1 for each identified material location. These materials should be maintained in good condition to prevent potential exposure to asbestos. Category I Non-Friable ACMs are not considered a hazard unless cut, drilled, sanded, or otherwise abraded. However, any Category I material that may become friable during demolition must be removed prior to that activity. If left in place, the crushing or recycling of demolition debris is strictly prohibited. In addition, all demolition debris containing Category I materials must be disposed of at a landfill specifically permitted to accept this type of waste.

E.1.c. Category II Non-Friable Asbestos-Containing Materials

Category II non-friable ACMs were identified at the Site building. Category II non-friable ACMs are all other non-friable materials other than Category I Non-Friable ACM that contain more than one percent asbestos. Refer to Table 1 for each material location. Category II non-friable ACMs are not considered a hazard unless cut, drilled, sanded, or otherwise abraded. Category II Non-Friable ACM must be assessed

on a material-by-material basis as to their probability of becoming friable during demolition activities, considering the characteristics of the material and the anticipated removal method or disturbance.

E.2. Lead-Based Paint

In the case of structural demolition, structural components with LBP should be maintained in good condition. If the structure were to be demolished in its entirety, structural components with LBP are not required to be removed or disposed of as lead or hazardous waste. Any LBP-containing demolition waste and/or debris generated during structural demolition should be subject to proper handling and disposal, consistent with applicable regulations and requirements.

OSHA does not consider any method that relies solely on the analysis of bulk materials or surface content of lead (or other toxic material) to be acceptable for safely predicting employee exposure to airborne contaminants. Without air monitoring results or without the benefit of historical or objective data (including air sampling which clearly demonstrates that the employee cannot be exposed above the action level during any process, operation, or activity), the analysis of bulk or surface samples cannot be used to determine employee airborne exposure.
Methods of abatement of LBP-containing materials will be subject to future use, design, and potential historical significance considerations. These considerations and/or parameters would be needed to conduct accurate pricing estimates for potential future abatement.

E.3. Miscellaneous Regulated Waste

In the case of building demolition, any of the miscellaneous regulated waste items listed in Section E.3 that will be disturbed must be removed prior to disturbance and must be recycled and/or disposed of in accordance with state and federal guidelines.

F. Limitations

In any building, the potential exists for hazardous building materials to be located inside walls, above ceilings, under floors, and other inaccessible areas. Due to building occupancy, destructive investigation was not performed during this HazMat Inspection. Therefore, it was not feasible to inspect 100 percent of these areas. Also, the potential exists for hazardous materials to be found outside the building buried underground. In the case of building demolition, a more thorough, destructive investigation must be performed in order to identify hazardous building materials in currently inaccessible areas. Due to the above limitations, Braun Intertec cannot be held responsible for the presence of any such hidden materials.

Note: It is assumed that pipe insulation may be present in currently inaccessible chases, wall cavities, and above hard ceilings.

Note: The possibility exists for ACM to be present in currently inaccessible chases, wall cavities, above hard ceilings, inside block walls and exterior foundations.

Note: In order to maintain the integrity of the roof systems, sampling of roofing materials was limited to non-destructive means that resulted in exclusion of select roofing materials from sampling. For the purpose of this report, the roofing and flashing materials not sampled are assumed to contain asbestos until proven otherwise by sampling and analysis.

Note: A destructive ACM investigation is required by the MPCA and MDH prior to building renovation/demolition. It is recommended that the destructive ACM investigation is performed once the building is vacant.

Note: The limited LBP testing is not intended to represent a comprehensive LBP inspection or a lead risk assessment or fulfill the testing protocols required by the Department of Housing and Urban Development (HUD) as specified in 24 CFR part 35, et al., "Requirements for Notification, Evaluation and Reduction of Lead-Based Paint Hazards in Federally Owned Residential Property and Housing Receiving Federal Assistance, Final Rule" (dated June 21, 2004). Additional LBP testing may be required.
In performing its services, Braun Intertec used that degree of care and skill ordinarily exercised under similar circumstances by reputable members of its profession currently practicing in the same locality. No warranty, express or implied, is made.

G. Inspector Certification

I, the undersigned, do hereby certify that I am an accredited Asbestos Inspector in the State of Minnesota. A photocopy of my current asbestos inspector certificate is included in Appendix B.

Signature:  Date: October 22, 2024

Nicholas E. Lattu
Environmental Scientist
Minnesota Department of Health Asbestos Inspector No: AI14925

Tables

BRAUN INTERTEC

Table 1
Asbestos Building Inspection Results
Former South St. Paul Public Library Site
106 3rd Ave N, South St. Paul, MN 55075
Project B2408409

Date of Inspection:
10/3/2024

Building	Functional Space	Homogeneous Material Description	Ref. Client Sample No. (See Labs)	Contains Asbestos (Yes/No)	Est. Quantity	Units[1]	Material Condition[2]	RACM[3]
1927	Exterior, North facing wall	Grey brick mortar	1	No	100	LF	UD	--
1927	**Exterior, North facing wall**	**Grey hard caulking around windows**	**2**	**Yes**	**1,195**	**LF**	**UD**	**Cat. I**
1927	Exterior, North facing wall	Grey concrete masonry unit (CMU)	3	No	630	LF	UD	--
1927	Exterior, North facing wall	Black tar based coating around natural gas piping	4	No	20	LF	UD	--
1927	Exterior, East facing wall	Tan caulking around communication cables and aluminum paneling	5	No	1	LF	UD	--
1927	Exterior, East facing wall	Silver caulking around door	6	No	18	LF	UD	--
1964	Exterior, East facing wall	Grey tar caulking around communication cables	7	No	1	LF	UD	--
1964	Exterior, South facing wall	Brown caulking around window	8	No	15	LF	UD	--
1964	**Exterior, West facing wall**	**White/grey caulking around windows**	**9**	**Yes**	**530**	**LF**	**UD**	**Cat. I**
1964	Interior, Entry way wall, lower level	White plaster wall	10a	No	250	SF	UD	--
1964	Interior, Reception area, lower level	Tan adhesive under carpeting	11	No	275	SF	UD	--
1964	**Interior, Reception area, lower level**	**Black mastic under carpeting**	**12**	**Yes**	**275**	**SF**	**UD**	**Cat. I**
1964	Interior, Vinyl flooring walkway, lower level	Brown/gray/tan vinyl flooring	13	No	400	SF	UD	--
1964	**Interior, Vinyl flooring walkway, lower level**	**Black mastic under flooring**	**13**	**Yes**	**400**	**SF**	**UD**	**Cat. I**
1927	Interior, crawl space, upper level	Black roll on water proofing	14	No	50	SF	UD	--
1927	Interior, crawl space, upper level	White/brown fibrous insulation	15	No	3,000	SF	UD	--
1927	Interior, Little Reading Room, upper level	Gray floor tile	16a	No	270	SF	UD	--
1927	Interior, Little Reading Room, upper level	Tan mastic under floor tile	16a	No	270	SF	UD	--
1927	Interior, Little Reading Room, upper level	Brown mastic under floor tile	16b	No	270	SF	UD	--
1927	Interior, Main room, upper level	Molding around walls near the floor	17	No	5	LF	UD	--
1927	Interior, Main room, upper level	White/gray plaster on walls	18a	No	3,000	SF	UD	--
1927	Interior, Main room, upper level	White/gray plaster on walls	18b	No	3,000	SF	UD	--

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Table 1
Asbestos Building Inspection Results
Former South St. Paul Public Library Site
106 3rd Ave N, South St. Paul, MN 55075
Project B2408409

Date of Inspection:
10/3/2024

Building	Functional Space	Homogeneous Material Description	Ref. Client Sample No. (See Labs)	Contains Asbestos (Yes/No)	Est. Quantity	Units[1]	Material Condition[2]	RACM[3]
1927	Interior, Main room, upper level	White/gray plaster on walls	18c	No	3,000	SF	UD	--
1927	Interior, Main room, upper level	White/gray plaster on walls, gray layer	18d	No	3,000	SF	UD	--
1927	Interior, Main room, upper level	White/gray plaster on walls, white layer	18d	No	3,000	SF	UD	--
1927	Interior, Main room, upper level	White/gray plaster on walls	18e	No	3,000	SF	UD	--
1927	Interior, Main room, upper level	White/gray plaster on walls	18f	No	3,000	SF	UD	--
1927	Interior, Main room, upper level	White/gray plaster on walls	18g	No	3,000	SF	UD	--
1964	Interior, upper level	White plaster wall on wall	10b	No	150	SF	UD	--
1964	Interior, upper level	White plaster wall on wall	10c	No	150	SF	UD	--
1964	Interior, lower level	12" x 12" white ceiling tile	19	No	1,000	SF	UD	---'
1964	Interior, bathrooms, lower level	Black pucks behind mirrors	20 - Not sampled	No	15	SF	UD	---'
1964	Interior, office and utility hallway, lower level	White/red fire caulking	21	No	25	LF	UD	---'
1964	Interior, Conference room, lower level	White gypsum and joint compound board	22	No	550	SF	UD	---'
1964	Interior, Conference room, lower level	White/gray ceiling tile	23	No	470	SF	UD	---'
1927	Exterior, Roof	Tan roofing membrane under shingles	24	No	3,000	SF	UD	---'
1927	Exterior, Roof	Black/gray shingles and asphault	25	No	3,000	SF	UD	---'
1964	Exterior, Roof	Black tar	26	No	4,500	SF	UD	---'
1964	**Exterior, Roof**	**Black seam sealer**	**27**	**Yes**	**110**	**LF**	UD	**Cat. I**
1964	Exterior, Roof	Black roof caulking on parapet	28	No	20	LF	UD	**---'**
1964	Exterior, Roof	Black tar caulking around elevator shaft	29	No	10	LF	UD	---'
1927	**Exterior, Roof**	**Black layer parapet caulk**	**30**	**Yes**	**200**	**LF**	UD	**Cat. I**
1927	Exterior, Roof	Gray layer parapet caulk	30	No	200	LF	UD	---
1964	Exterior, Roof	gray/tan lightweight concrete in elevator shaft	31	No	10	SF	UD	---
1927	nterior, First floor, Utility close	Tan fibrous TSI pipe insulation and wrap	32	No	100	LF	UD	---'
1927	Interior, basement	Tan fibrous TSI pipe insulation, 3-inch diameter	33	No	300	LF	UD	---
1927	**Interior, basement**	**Gray fibrous TSI pipe insulation, 4-inch diameter**	**34**	**Yes**	**100**	**LF**	UD	**RACM**
1927	**Interior, basement**	**Gray/white fibrous TSI fittings**	**35**	**Yes**	**25**	**LF**	UD	**RACM**
1927	Interior, basement	Tan/white/clear TSI pipe insulation and silver wrap	36	No	200	LF	UD	---'

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Table 1
Asbestos Building Inspection Results
Former South St. Paul Public Library Site
106 3rd Ave N, South St. Paul, MN 55075
Project B2408409

Date of Inspection:
10/3/2024

Building	Functional Space	Homogeneous Material Description	Ref. Client Sample No. (See Labs)	Contains Asbestos (Yes/No)	Est. Quantity	Units[1]	Material Condition[2]	RACM[3]
1927	**Interior, basement**	**White fibrous TSI pipe insulation, mesh wrap, and silver wrap**	**37**	**Yes**	**50**	**LF**	**UD**	**RACM**
1927	Basement, under vestibule	Brown/Gray fibrous air ventilation sound dampener	38	No	240	SF	UD	---'
1964	**Lobby and mezzanine, 1964**	**9-inch by 9-inch floor tile, gray**	**NS***	**Yes**	**200**	**SF**	**UD**	**Cat. I**
1927	**Bathrooms and basement, 1927**	**9-inch by 9-inch floor tile**	**NS***	**Yes**	**100**	**SF**	**UD**	**Cat. I**

1. Quantity Units
LF = Linear Feet
SF = Square Feet

2. Condition of ACM:
UD = Undamaged
D = Damaged
SD = Significantly Damaged

3. RACM = Regulated Asbestos Containing Materials
Friable = Friable ACM
Cat. I = Category I Non-Friable ACM
Cat. II = Category II Non-Friable ACM

**Sampled during 1991 Limited Non-Destructive Asbestos Sampling*

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Table 2 -
XRF Table

Client: City of South St Paul
Location: Former South St Paul Public Library Site, 106 3rd Ave N, South St. Paul, MN 55075
Date of Inspection: 10/3/240- 10/07/24
Project: B2408409

Number	Location	Paint Color	Substrate	Lead Concentration (mg/cm^2)	Lead Concentration Error (+/-)
1	**West large window exterior, lower pane**	**White**	**Metal**	**7.6**	**2.1**
2	**West large window exterior, lower pane**	**White**	**Metal**	**5.6**	**1.7**
3	Pipe cover exterior, NW corner 1927 section	Red	Metal	0.7	0.1
4	Red paint on right gutter, west side 1927 section	Red	Metal	0.01	0.03
5	Handrailing, front entrance, 1927 section	Black	Metal	0.00	0.02
6	Aluminum Column Cover, front entrance, 1927 section	White	Metal	0.00	0.02
7	**Wood molding crown, main entrance door and windows**	**White**	**Wood**	**34.4**	**2.8**
8	**Molding brown and security windows at front entrance, 1927**	**White**	**Wood**	**35.7**	**4.4**
9	Paint on 1927 entrance door	Black	Metal	0.00	0.02
10	West exterior basement window frame	Red	Metal	0.23	0.1
11	**West exterior, SW corner, Pipe Cover**	**Red/Orange**	**Metal**	**1**	**0.1**
12	**SW Large window exterior lower window pane**	**White**	**Metal**	**6.2**	**1.7**
13	Rain gutter, SW corner of 1927	Red	Metal	0.05	0.16
14	**Pipe cover, exterior, NW corner under rain gutter**	**Red**	**Metal**	**1.2**	**0.1**
15	Circuit cover for exhaust, north side of 1927	Maroon	Metal	0.4	0.2
16	**North large window, lower pane, On 1927 section**	**White**	**Metal**	**2.6**	**1.3**
17	Metal lip on exterior cover, north exterior, 1927	Red	Metal	0.24	0.16
18	Metal connection pipe from interior to Gas Meter	Gray	Metal	0.02	0.02
19	Rear door to mechanical room, exterior east 1927 section	Gray	Metal	0.00	0.02
20	**7'x4' Top window trim, east side 1927 exterior**	**White**	**Metal**	**25.9**	**10.4**
21	Rain gutter, vertical, east 1927 exterior	White	Metal	0.06	0.17
22	4'x4.5' Window panel	White	Metal	0.00	0.02
23	East exterior stairwell, gardrail handle	Red	Metal	0.00	0.02
24	East exterior door upper stairwell	Gray	Metal	0.7	0.2
25	Vent cover, over east stairwell, exterior	Red	Metal	0.28	0.5
26	**Corner wall guard**	**Red**	**Metal**	**2.7**	**0.4**

Number	Location	Paint Color	Substrate	Lead Concentration (mg/cm^2)	Lead Concentration Error (+/-)
27	Half moon, molding at top of wondows on SE and NE side, 1964 section	Orange	Metal	0.00	0.02
28	South exterior door in SE Corner	Orange	Metal	0.00	0.02
29	Rain gutters, vertical, SE corner exterior	Maroon	Metal	0.00	0.02
30	Lower casing of window (large) SE corner	White	Metal	0.00	0.02
31	**SW Column Casing at 1964 west main entrance**	**White**	**Metal**	**2.7**	**1**
32	1964 Vestibule, N wall	White	Wood	0.00	0.02
33	1964 Vestibule, W wall	White	Wood	0.00	0.02
34	1964 Vestibule, S wall	White	Wood	0.00	0.02
35	1964 Vestibule, E wall	White	Wood	0.04	0.05
36	1927 Little recovery room , south wall	Cream	Plaster	0.25	0.67
37	**Little Reading Room, vertical trim on both sides of window**	**Red**	**Wood**	**1.6**	**0.5**
38	**Little Reading Room, vertical trim on both sides of window**	Green	Wood	0.9	0.2
39	**Little Reading Room, book shelving, Horizontal All Shelves**	**Brown**	**Wood**	**4.2**	**1.3**
40	**Little Reading Room, door frame to room**	**Yellow**	**Wood**	**2.4**	**0.9**
41	1927 Main room, east wall	Yellow	Plaster	0.29	0.54
42	**1927 Main room, east wall, book shelf, horizontal**	**Yellow**	**Wood**	**3.5**	**0.5**
43	**1927 Main room, east wall, book shelf, vertical**	**Yellow**	**Wood**	**2.2**	**0.9**
44	1927 West wall, main room, back of bookshelf, vertical	Yellow	Wood	0.27	0.61
45	**E wall, SE window, vertical, wall paneling**	**Yellow**	**Wood**	**5.8**	**2.9**
46	**E wall, SE window, vertical window trim**	**Yellow**	**Wood**	**3.8**	**2.3**
47	**E wall, SE window, floor trim around air vent**	**Yellow**	**Wood**	**2.5**	**1**
48	**W wall, NW window, vertical wall panel**	**Yellow**	**Wood**	**6.2**	**3.8**
49	**W wall, NW window, vertical window trim**	**Yellow**	**Wood**	**3.8**	**2.4**
50	**W wall, NW window, flat trim around air vents**	**Yellow**	**Wood**	**2.9**	**1.6**
51	**N wall, horizontal panel above bookcase, 3" overpaint**	**Yellow**	**Wood**	**4.2**	**2.7**
52	N wall, wall	Yellow	Plaster	0.5	0.5
53	W center section, molding, horizontal, near floor, by Woman's Restroom	Yellow	Plaster	0.05	0.99
54	W center wall near W bathroom	Yellow	Plaster	-0.23	0.86
55	2nd floor, 1927 entrance, interior, door trim	Yellow	Metal	0.16	0.09

Number	Location	Paint Color	Substrate	Lead Concentration (mg/cm^2)	Lead Concentration Error (+/-)
56	**West 2nd floor, 1927 entrance, interior, door trim**	**Yellow**	**Wood**	**3.1**	**1.2**
57	West, center 2nd floor, 1927 SW corner by men's room, wall	Yellow	Metal	0.14	0.17
58	Center section 2nd floor, 1927, SW corner by men's room, wall	Yellow	Plaster	0.4	0.6
59	**S Section 2nd floor, 1927 west wall, NW window, vertical trim**	**Yellow**	**Wood**	**7.5**	**3.8**
60	**S Section 2nd floor, 1927 west wall, NW window, flat trim around air vents**	**Yellow**	**Wood**	**7.1**	**3.6**
61	S wall, center, 1927, 2nd floor, south wall	Yellow	Plaster	0.26	0.62
62	**S Wall, center, 1927, 2nd floor, vertical panel below windows and vents**	**Yellow**	**Wood**	**5**	**1.4**
63	N section, 2nd floor, 1927, W wall above bookcase	Yellow	Plaster	0.4	0.6
64	N wall, 2nd floor, 1927, north wall	Yellow	Plaster	0.5	0.5
65	2nd floor, 1927 all sections, trim, near ceiling.	White	Wood	null	null
66	1964 SW overlook, 2nd floor, W wall	White	Plaster	0.06	0.02
67	1964 SW overlook, 2nd floor, book shelves	Black	Metal	0.02	0.02
68	1964, West staircase, railing, support wall	Blue	Metal	0	0.02
69	1964, Center by N wall, bookcase	Blue	Wood	0.03	0.04
70	1964, Center, by N wall, window trim, vertical	White	Wood	0.02	0.03
71	1964, W wall, 2nd floor	White	Plaster	0.00	0.02
72	1964, Main room, west wall by entrance	White	Plaster	0.00	0.2
73	1964, Main room, horizontal large trim, interior, by West Entrance	White	Wood	0.01	0.03
74	1964, 1st floor, office, west entrance of bldg., window trim	Brown	Metal	0.22	0.22
75	1964, 1st floor, office, west entrance of bldg., S wall	White	Plaster	0.00	0.02
76	1964, Main room, 1st, S wall, window trim	White	Wood	0.16	0.26
77	1964, Main room, 1st, S wall, physical wall	White	Plaster	0.00	0.02
78	1964, Main room, 2st, elevator door	Blue	Metal	0.01	0.06
79	1964, Main room, 1st, men's restroom	Brown	Metal	0.22	0.19
80	1964, Main room, 1st, utility room, paint on mason block	White	Mason Block	0.00	0.02
81	1964, Main room, NE wall	White	Plaster	0.00	0.02
82	1964, Office hallway, SE entrance, door trim	Gray	Metal	0.00	0.02
83	1964 , Office hallway, Conference room, door frame	Brown	Metal	0.00	0.02
84	1964, Office, 1st floor, E wall	White	Plaster	0.00	0.02

Number	Location	Paint Color	Substrate	Lead Concentration (mg/cm^2)	Lead Concentration Error (+/-)
85	1964 Office hallway, storage room, brick wall	White	Brick	0.00	0.02
86	1964, Main room, 1st, women's restroom, center wall	Green	Plaster	0.00	0.02
87	1964, 1st Floor, kitchen, baseboards, vents	Brown	Metal	0.00	0.02
88	1964, 1st Floor, main S room, ceiling	Blue	Plaster	0.00	0.02
89	**1927, Basement, book room, S wall, wall trim, 3" Horizontal trim, 3' off of floor**	**White**	**Wood**	**1.9**	**0.2**
90	**1927, Basement, book room, S wall, metal pipe**	**White**	**Metal**	**3.0**	**1.5**
91	**1927, Basement, book room, S trim at the base of the east wall**	**White**	**Wood**	**3.1**	**1.7**
92	1927, Basement, book room, staircase, side paneling	White	Wood	0.6	0.1
93	**1927, Basement, book room, staircase, diagonal and horizontal trim**	**White**	**Wood**	**3.1**	**1.1**
94	**1927, Basement, book room, staircase, vertical supports**	**White**	**Wood**	**3.0**	**1.2**
95	**1927, Basement, Book Room, West wall, baseboard trim**	**White**	**Wood**	**4.2**	**2.5**
96	**1927, Basement, book room, West wall, wall trim, 3" Horizontal trim, 3' off of floor**	**White**	**Wood**	**2.0**	**0.8**
97	**1927, Basement, book room, west wall baseboard trim**	**White**	**Wood**	**1.1**	**0.2**
98	**1927, Basement, book room, storage room, door frame, E wall**	**Purple**	**Metal**	**3.5**	**2**
99	**1927, Basement, book room,**	**Brown**	**Metal**	**4.6**	**2.5**
100	1927, Basement, book room, storage room, door	Purple	Wood	0.01	0.12
101	1927, Basement, book room, storage room, door knob	Brown	Metal	0.02	0.04
102	1927, Basement, book room, storage room, W wall	Yellow	Plaster	0.5	0.04
103	1927, Basement, book room, storage room, east wall	Gold	Plaster	0.00	0.02
104	1927, Basement, book room, storage room, S wall??	White	Plaster	0.00	0.02
105	1927, Basement, book room, NE entrance, doorway wall	Gray	Plaster	0.21	0.04
106	1927, Basement, book room, N wall	White	Plaster	0.30	0.07
107	1927, Basement, book room, NE interior doorway, trim	Purple	Metal	0.19	0.10
108	**1927, Basement, book room, double door trim**	**Purple**	**Wood**	**3.6**	**1.3**
109	1927, Basement, book room, double door, right door facing W	Purple	Wood	0.09	0.25
110	1927, Basement, book room, double door, left door facing W	Purple	Wood	0.03	0.08
111	**1927, Basement, book room, double door, trim on storage/boiler room door**	**White**	**Wood**	**4.6**	**2.6**
112	1927, basement, the center wall between two doors leading to boiler and utility rooms	White	Plaster	0.6	0.4
113	1927, basement, west basement, SW area pipes	White	Metal	0.6	0.3

Number	Location	Paint Color	Substrate	Lead Concentration (mg/cm^2	Lead Concentration Error (+/-)
114	1927, W basement, SW area water heater room	Blue	Plaster	0.5	0.5
115	1927, W basement, boiler room, W wall	Gray	Plaster	0.3	0.55
116	1927, boiler room, E door	Brown	Metal	0.3	0.15
117	1927, boiler room, N wall	Gray	Brick	0.02	0.02
118	1927, boiler room, floor paint	Gray	Cement	0.28	0.05
119	1927, boiler room, E door frame	Gray	Metal	0.18	0.14
120	1927, boiler room, Entrance door frame	Gray/White	Metal	0.17	0.14

Appendix A

Bulk Asbestos Analysis Report

BRAUN INTERTEC

EMSL Analytical, Inc.

3410 Winnetka Avenue North New Hope, MN 55427

Tel/Fax: (763) 449-4922 / (763) 449-4924

http://www.EMSL.com / minneapolislab@emsl.com

EMSL Order:	352409493
Customer ID:	BRAU50C
Customer PO:	B2408409
Project ID:	

Attention:	Nicholas Lattu	**Phone:**	(651) 808-5591
	Braun Intertec	**Fax:**	
	1826 Buerkle Rd	**Received Date:**	10/08/2024 8:55 AM
	Saint Paul, MN 55110-5245	**Analysis Date:**	10/10/2024
		Collected Date:	10/07/2024
Project:	B2408409/Former South St Paul Library		

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
1	Kitchen/Breakroom - Undercoating	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
352409493-0001			HA: 1		

Analyst(s)

Amanda Picha (1)

Rachel Travis, Laboratory Manager
or Other Approved Signatory

Initial report from: 10/10/2024 16:10:03

EMSL Analytical, Inc.

3410 Winnetka Avenue North New Hope, MN 55427
Phone/Fax: (763) 449-4922 / (763) 449-4924
http://www.EMSL.com / minneapolislab@emsl.com

EMSL Order:	352409406
Customer ID:	BRAU50
Customer PO:	B2201848
Project ID:	

Attention:	Nicholas Lattu Braun Intertec 11001 Hampshire Avenue South Bloomington, MN 55438	**Phone:**	(952) 995-2000
		Fax:	(952) 995-2020
		Received:	10/04/2024 5:11 PM
		Analysis Date:	10/07/2024
		Collected:	03/07/2023
Project:	B2201848		

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy. Quantitation using 400 Point Count Procedure

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
18c *352409406-0021*	Plaster, 1927, white - Plaster	Gray/White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	**<0.25%** **Chrysotile**
			Point Count performed on NOB material without gravimetric reduction at client request. Asbestos results may be under-reported.		
18d-Gray Layer *352409406-0022*	Plaster, 1927, white - Plaster	Gray Non-Fibrous Homogeneous		99.25% Non-fibrous (Other)	**0.75%** **Chrysotile**
			Point Count performed on NOB material without gravimetric reduction at client request. Asbestos results may be under-reported.		
18e *352409406-0023*	Plaster, 1927, white - Plaster	Gray/White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	**<0.25%** **Chrysotile**
			Point Count performed on NOB material without gravimetric reduction at client request. Asbestos results may be under-reported.		

Analyst(s)

Nicholas Asuncion (3)

Rachel Travis, Laboratory Manager
or other approved signatory

Initial report from: 10/07/2024 16:57:40

Appendix B

Asbestos Inspector Certificate

BRAUN INTERTEC

Certificate No: 5LM11272303IR

Expiration Date: November 27, 2024

This is to certify that

Nicholas E. Lattu

has attended and successfully completed an

ASBESTOS INSPECTOR

REFRESHER TRAINING COURSE

permitted by

the State of Minnesota under Minnesota Rules 4620.3702 to 4620.3722

and meets the requirements of

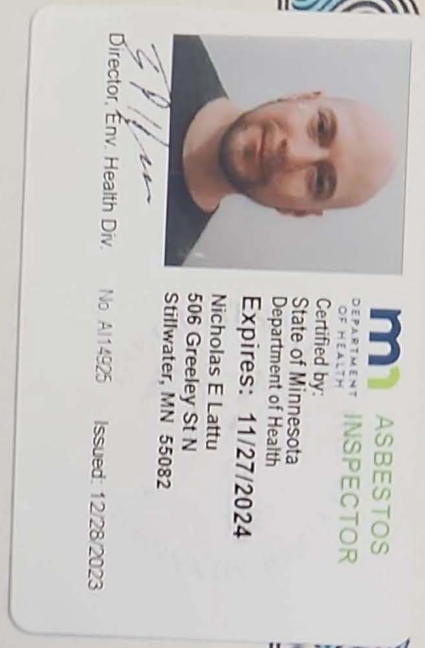
Section 206 of Title II of the Toxic Substances Control Act (TSCA)

conducted by

Lake States Environmental, Ltd.

Attended Remotely on November 27, 2023

Examination Date: November 27, 2023



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

Training Instructor