



**PRE-DEMOLITION INSPECTION REPORT**

**Job Site:**

**Storage Building  
202-208 South Baldwin Street  
Madison, Wisconsin**

**For:**

**City of Madison Parks Division  
City-County Building, Suite 104  
210 Martin Luther King, Jr. Blvd.  
Madison, WI 53703-3342**

**KPH Project # 21-400-42.202**

\_\_\_\_\_  
Dean Jacobsen  
Asbestos Inspector No. AII – 14370

Prepared by:

**KPH Environmental  
1237 West Bruce Street  
Milwaukee, Wisconsin 53204**

**March 2021**

<b>KPH ENVIRONMENTAL</b>		WEB <a href="http://kphbuilds.com">kphbuilds.com</a>	
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202-208 South Baldwin Street  
Madison, Wisconsin

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## EXECUTIVE SUMMARY

KPH Environmental Corp (KPH), was retained by the City of Madison Parks Division to conduct an inspection of the storage building at 202-208 South Baldwin Street, Madison, Wisconsin, prior to demolition. The one story building is of metal, wood, and block construction and consists of self storage units.

KPH conducted a visual inspection for asbestos, potential lead coated surfaces, and universal wastes. KPH collected asbestos bulk samples for laboratory analysis. An X-ray fluorescence machine (XRF) was used to inspect for potential lead coated surfaces.

Asbestos was detected above the regulatory level of 1% in exterior asphalt roof flashing on the concrete block wall roof walls. The flashing is a category I non-friable asbestos containing material (asphalt roofing) as defined by NR 447 of the Wisconsin Administrative Code. Under state and federal laws it will have to be abated if it will be ground, cut, sanded, or abraded during demolition. Asbestos was not detected in any other material that was sampled. Asbestos results are in Section II of this report.

Paint sample testing revealed that lead was detected on exterior samples collected from metal roofs and block roof walls, but at concentrations below the lead based paint standard of 1.0 mg/cm<sup>2</sup>. Lead was not detected on metal walls, doors, or door casings. Interior surfaces were not painted. Results are in Section III of this report.

Universal wastes and other hazardous material were observed on the building exterior, and are summarized in Section IV of this report.

## I. INTRODUCTION

KPH Environmental Corp., (KPH) was retained by the City of Madison Parks Division to conduct a pre-demolition inspection of the storage building at 202-208 South Baldwin Street, Madison, Wisconsin, for the following:

- Suspect asbestos containing materials
- Suspect lead painted or coated surfaces
- Universal wastes such as CFCs in appliances, mercury in light bulbs, and PCB containing light fixture ballasts

Mike Sturm, of the City of Madison Parks Division, authorized KPH to conduct an inspection and to analyze samples collected during the inspection. The inspection of the building at 202-208 South Baldwin Street, Madison, Wisconsin, was conducted on February 22 and March 8, 2021, to cover the items listed above. The inspection was conducted by Dean Jacobsen, Wisconsin Asbestos Inspector License No. 14370, and Wisconsin Lead Risk Assessor License No. LRA-14370. Additional information on the inspection and results are contained in the following sections.

## **II. ASEBSTOS INSPECTION**

### **A. Methods**

This asbestos inspection included a visual determination as to the extent of visible and accessible suspect materials in the buildings, sampling and documentation of any of these suspect materials, and quantification of observable and accessible positive materials existing within the spaces inspected.

An asbestos inspection involves inspecting all or part of a building (depending on the project scope) and identifying suspect asbestos containing materials. After suspect materials are identified, the inspector divides the building into homogeneous areas. Homogeneous areas contain materials that are alike in color, composition, age of installation, and any other aspect. If any differences are identified during the inspection, a separate homogeneous area is established.

The inspector then collects bulk samples based upon the type of material and quantity of material in the homogeneous area. Bulk samples were placed into resealable containers and sent to a laboratory certified under the National Voluntary Laboratory Accreditation program (NVLAP) for analysis. Destructive sampling was not conducted where it would have adversely impacted suspect asbestos containing materials, to avoid building contamination.

The results of the survey integrated with the Polarized Light Microscopy with Dispersion Staining (PLM/DS) analysis of bulk samples taken are outlined in this document.

### **B. List of Suspect Asbestos Containing Materials**

The following types of suspect materials were observed and inspected to determine if asbestos containing materials were present in the buildings as required by US EPA NESHAP regulation 40 CFR 61 Subpart M, and NR 447 of the Wisconsin Administrative Code:

- Asphalt roof flashing
- Roof membrane
- Fiberboard
- Concrete block/mortar
- Caulk

A listing of specific homogeneous materials and homogeneous material codes are in the Samples and Results section following the results table.

### **C. The Laboratory**

Samples were analyzed at SanAir Laboratories Inc., for total asbestos content by volume using EPA Method 600/M4/82/020, 600/R-93/116. Analysis is performed by using the bulk samples for visual observation and slide preparation(s) for microscopical examination and identification. The slides are analyzed for asbestos (chrysotile, amosite, crocidolite, anthophyllite, and actinolite/ tremolite), fibrous non asbestos constituents (mineral wool, paper, etc.), and nonfibrous constituents. Asbestos is identified by refractive indices (obtained by using dispersion staining), morphology, color,

pleochroism, birefringence, extinction characteristics, and signs of elongation. The same characteristics are used to identify the non asbestos constituents.

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk sample components. The results are valid only for the item tested.

**Current regulations state asbestos containing materials (ACM) means material containing more than 1% asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy.** Bold values indicate that the material contains more than 1% asbestos. Negative results indicate that no asbestos was detected.

#### D. Samples and Results

The following are the laboratory results. The laboratory report is in Appendix A.

Sample #	Location and Description	Results	Homogeneous Code
1A-202	<b>Roof– midway along east side – on edge of concrete block wall – black asphalt flashing</b>	<b>Positive 3% Chrysotile</b>	<b>MRF</b>
2A-202	Roof– midway along east side – black roof membrane	Negative	MRM
2A-202	Roof– midway along east side – under black roof membrane – fiberboard	Negative	MRM
3A-202a	Roof– midway along east side – roof wall – concrete block/mortar	Negative	MCB
4A-202	<b>Roof– ¾ way along east side – on edge of concrete block wall – black asphalt flashing #2</b>	<b>Positive 3% Chrysotile</b>	<b>MRF2</b>
5A-202	Roof– ¾ way along east side – black roof membrane #2	Negative	MRM2
6A-202	Roof– midway along east side – on roof wall at black membrane – black caulk	Negative	MCLKk

#### Homogeneous Material Codes

MRF	Black Asphalt Flashing
MRF2	Black Asphalt Flashing #2
MRM	Black Roof Membrane
MRM2	Black Roof Membrane #2
MCB	Concrete Block/Mortar
MCLKk	Black Caulk

#### E. Asbestos Locations and Quantities

Two (2) of the materials sampled contain greater than 1% asbestos and are asbestos containing materials (ACM).

Material	Homogeneous Code	Location	Approximate Quantity	Type
Black Asphalt Flashing	MRF	Roof – Concrete Block Wall - ½ Way Along Building	30 SF	Category I Non-Friable
Black Asphalt Flashing #2	MRF2	Roof – Concrete Block Wall – ¾ Way Along Building	30 SF	Category I Non-Friable

The black asphalt flashings are category I non-friable asbestos containing materials. They were in non-friable condition at the time of the inspection. If these materials are subjected to sanding, grinding, cutting or abrading during demolition, they would then be defined as regulated asbestos containing material (RACM) under NR 447. If they do not become RACM during demolition, under NR 447 they may remain on the building and be disposed at a Wisconsin licensed landfill with the other demolition debris.

NR 447.08 requires the building owner or operator to have the RACM removed from a facility being renovated or demolished before any activity begins that would break up, dislodge or similarly disturb the material. DHS 159 of the Wisconsin Administrative Code requires that only a certified asbestos company with certified asbestos abatement personnel may remove ACMs from a building.

NR 447 requires the building owner or operator to notify the Wisconsin Department of Natural Resources at least 10 business days prior to the start of any demolition activities, including abatement, by sending in Form 4500-113 or by online notification.

**Note#1:** If additional materials are discovered during the demolition that are not listed above they are to be assumed to be asbestos containing.

**Note#2:** A copy of this report should be transmitted to the demolition contractor.

### **III. LEAD PAINT INSPECTION**

#### **A. Methods**

A lead paint inspection and sampling are recommended for building materials that may contain surfaces painted before 1978. The inspection determines if lead is in the building paint, the location(s) of lead containing surfaces, and the amount of lead in the paint. If the surfaces will be disturbed or demolished, workers can then prepare proper safety measures to reduce exposure to lead containing dust as required by the Occupational Safety and Health Administration. In addition, the Wisconsin Department of Natural Resources requires determination of lead based paint prior to disposal or recycling of building materials (Concrete Recycling and Disposal Fact Sheet WA-605 2017).

The inspection at the storage building at 202-208 South Baldwin Street, Madison, Wisconsin, took place on March 8, 2021. Since the northern storage units are of the same construction and size, a limited number of randomly selected units were inspected. The inspection noted the location, substrate, and color of painted surfaces. An Innov X Model  $\alpha$ -6500 XRF was used to analyze each painted or coated surface. The Certificate of Analysis and Performance Characteristic Sheet are included in Appendix C. The XRF was calibrated at the start and end of each day using standard reference paint films (blank film of  $<0.001 \text{ mg/cm}^2$  and a standard red lead film of  $1.04 \text{ mg/cm}^2 \pm 0.064$ ) supplied with the instrument. The Performance Characteristic Sheet states that substrate correction is not needed with this model XRF.

## B. Component Testing Results

Chapter 254 of the Wisconsin State Statutes defines lead-based paint as having a surface concentration of lead that is equal to greater than 1.0 mg/cm<sup>2</sup> for an XRF reading, or greater than 0.5% of lead per weight of a paint chip sample.

The results of the analysis was classified as follows:

**Positive:** Any result at or above the Chapter 254 Standard of 1.0 mg/cm<sup>2</sup> or 0.5% lead.

**Negative:** Any result below the Chapter 254 Standard of 1.0 mg/cm<sup>2</sup> or 0.5% lead.

### Interior: 202-208 South Baldwin Street, Madison, Wisconsin

- Interior surfaces were not painted or coated. No samples were collected in these areas.

### Exterior: 202-208 South Baldwin Street, Madison, Wisconsin

- Painted metal walls, door, casing, and roofs, along with painted block walls, were observed. Lead was not detected on most surfaces. Where lead was detected on metal roofs and block roof walls, the concentration was below the 0.5% lead based paint standard in Ch. 254.

The following are the XRF results:

**Date: 3/8/21 XRF Readings**

Paint Testing Results						
Sample	Room	Component & Feature	Substrate	Color	PbC (mg/cm <sup>2</sup> )	Result
1	Exterior	East Wall	Metal	Gray	0.0	Negative
2	Exterior	East Door	Metal	Red	0.0	Negative
3	Exterior	East Door Casing	Metal	Beige	0.0	Negative
4	Exterior	South Wall	Metal	Gray	0.0	Negative
5	Exterior	South Door	Metal	Red	0.0	Negative
6	Exterior	South Door Casing	Metal	Beige	0.0	Negative
7	Exterior	Center Roof	Metal	Gray	0.01	Negative
8	Exterior	North Center Roof Wall	Metal	Gray	0.04	Negative
9	Exterior	South Gutter	Metal	Gray	0.0	Negative
10	Exterior	North Center Roof Wall	Block	Light Gray	0.03	Negative
11	Exterior	Southwest Sliding Door	Metal	Gray	0.0	Negative
12	Exterior	West Roof Wall	Block	Beige	0.09	Negative
13	Exterior	West Roof	Metal	Light Gray	0.04	Negative
14	Exterior	West Wall	Metal	Gray	0.0	Negative
15	Exterior	West Door	Metal	Red	0.0	Negative
16	Exterior	North Wall	Metal	Gray	0.0	Negative
17	Exterior	North Door	Metal	Red	0.0	Negative
18	Exterior	North Door Casing	Metal	Beige	0.0	Negative
		Calibration Standard		Red	1.12	
		Calibration Standard		Red	1.10	
		Calibration Standard		Red	1.14	
		Calibration Standard		White	0.0	

Where lead in paint is known or suspected, the owner and contractors must follow the OSHA lead in construction regulation 29 CFR 1926.62. This applies if any amount of lead is present, not just for lead based paint (more than 0.5% Lead). Workers must take care to limit the amount of lead dust generated and follow OSHA safety requirements for lead exposure. The regulation requires:

- Personal exposure monitoring,
- Use of respiratory protection and protective clothing,
- Hygiene areas,
- Engineering controls to control lead dust,
- Worker training

See the OSHA Lead in Construction booklet (OSHA 3142-09R 2003) for guidance and <https://www.osha.gov/SLTC/lead/index.html> for regulatory requirements.

In addition, the Wisconsin Department of Natural Resources requires determination of lead based paint prior to disposal or recycling of building materials (Concrete Recycling and Disposal Fact Sheet WA-605 2004). According to the Concrete Recycling and Disposal Fact Sheet, building materials from remodeling or demolition debris that contain lead based paint are considered a solid waste, unless an exemption is obtained from the DNR (Form 4400-274).

#### IV. UNIVERSAL WASTES

Universal waste and other hazardous materials include items that contain or may contain materials such as mercury, polychlorinated biphenyls (PCB), refrigerants such as Freon and chlorofluorocarbons (CFC), chemicals, and fuels. The following universal wastes and other hazardous materials were identified in the building:

Material	Location	Approximate Quantity
High Intensity Discharge Lights-Mercury	Exterior	24 Lights
Fluorescent Light Bulbs-Mercury	Exterior West Side	2 Compact Bulbs

No samples were collected. Universal wastes and other hazardous materials must be removed separately for proper disposal prior to demolition.

#### V. EXCLUSIONS

This report represents the condition of the building and the visible/accessible materials at the date and the times of the onsite inspection. Areas and materials that were hidden or not accessible are excluded, including areas within walls and floors and above ceilings. Not all areas within walls and ceilings were accessible, and these areas may contain suspect asbestos containing materials. Hidden materials or those materials that could not be accessed at the point of inspection, over and above those stated in the inspection report, are the responsibility of the building owner and the demolition contractor.

A limited lead inspection was conducted. The results are representative only of the specific locations that were inspected on the building. This report represents the condition of the buildings and the visible/accessible locations at the date and the time of the onsite inspection.

## **VI. LIMITATIONS**

The care and skill given to our procedures insures the most reliable test results possible. The findings and conclusions of KPH represent our professional opinions extrapolated from limited data. Significant limited data is gathered during the course of the building inspection. No other warranty is expressed or implied. Prior to any abatement or renovation activities, it is recommended that KPH be provided the opportunity to review such plans in order that the inspection and assessments contained herein are properly interpreted and implemented.

*This report and the information contained herein are prepared for the sole and exclusive use and possession of the City of Madison Parks Division. No other person or entity may rely on this report or any information contained herein. Any dissemination of the Report or any information contained herein is strictly prohibited without prior written authorization from KPH Environmental Corp*

## APPENDICES

## **A. ASBESTOS LABORATORY RESULTS**



SanAir ID Number  
21007947  
FINAL REPORT  
3/2/2021 2:27:11 PM

**Name:** KPH Environmental Corp.  
**Address:** 1237 West Bruce Steet  
Milwaukee, WI 53204  
**Phone:** 414-647-1530

**Project Number:** 21-400-042.202  
**P.O. Number:**  
**Project Name:** McPike Park  
**Collected Date:** Not Provided on COC  
**Received Date:** 2/23/2021 11:35:00 AM

Dear Dean Jacobsen,

We at SanAir would like to thank you for the work you recently submitted. The 5 sample(s) were received on Tuesday, February 23, 2021 via FedEx. The final report(s) is enclosed for the following sample(s): 1A-202, 2A-202, 3A-202, 4A-202, 5A-202.

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,

A handwritten signature in black ink that reads "Sandra Sobrino". The signature is written in a cursive, flowing style.

Sandra Sobrino  
Asbestos & Materials Laboratory Manager  
SanAir Technologies Laboratory

Final Report Includes:

- Cover Letter
- Analysis Pages
- Disclaimers and Additional Information

Sample conditions:

- 5 samples in Good condition.



SanAir ID Number

21007947

FINAL REPORT

3/2/2021 2:27:11 PM

Name: KPH Environmental Corp.
Address: 1237 West Bruce Steet
Milwaukee, WI 53204
Phone: 414-647-1530

Project Number: 21-400-042.202
P.O. Number:
Project Name: McPike Park
Collected Date: Not Provided on COC
Received Date: 2/23/2021 11:35:00 AM

Analyst: Roseblock, Mary

Asbestos Bulk PLM EPA 600/R-93/116

Table with 5 columns: SanAir ID / Description, Stereoscopic Appearance, Components (% Fibrous, % Non-fibrous), and Asbestos Fibers. Rows include samples 1A-202 through 5A-202 with details on appearance and fiber detection.

Analyst: Mary E Roseblock

Approved Signatory: [Signature]

Analysis Date: 3/2/2021

Date: 3/2/2021

## Disclaimer

This report is the sole property of the client named on the SanAir Technologies Laboratory chain-of-custody (COC). Results in the report are confidential information intended only for the use by the customer listed on the COC. Neither results nor reports will be discussed with or released to any third party without our client's written permission. The final report shall not be reproduced except in full without written approval of the laboratory to assure that parts of the report are not taken out of context. The information provided in this report applies only to the samples submitted and is relevant only for the date, time, and location of sampling. The accuracy of the results is dependent upon the client's sampling procedure and information provided to the laboratory by the client. SanAir assumes no responsibility for the sampling procedure and will provide evaluation reports based solely on the sample(s) in the condition in which they arrived at the laboratory and information provided by the client on the COC, such as: project number, project name, collection dates, po number, special instructions, samples collected by, sample numbers, sample identifications, sample type, selected analysis type, flow rate, total volume or area, and start stop times that may affect the validity of the results in this report. Samples were received in good condition unless otherwise noted on the report. SanAir assumes no responsibility or liability for the manner in which the results are used or interpreted. This report does not constitute and shall not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any other U.S. governmental agencies and may not be certified by every local, state, and federal regulatory agencies.

Samples are held for a period of 60 days. Fibers smaller than 5 microns cannot be seen with this method due to scope limitations.

For NY state samples, method EPA 600/M4-82-020 is performed.

### 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 Certifications

NVLAP lab code 200870-0

City of Philadelphia: ALL-460

PA Department of Environmental Protection Number: 68-05397

California License Number: 2915

Colorado License Number: AL-23143

Connecticut License Number: PH-0105

Massachusetts License Number: AA000222

Maine License Number: LB-0075, LA-0084

New York ELAP lab ID: 11983

Rhode Island License Number: PCM00126, PLM00126, TEM00126

Texas Department of State Health Services License Number: 300440

Commonwealth of Virginia 3333000323

Washington State License Number: C989

West Virginia License Number: LT000616

Vermont License: AL166318

Louisiana Department of Environmental Quality: 212253, Cert 05088

Revision Date: 8/14/2020



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

Asbestos  
 Chain of Custody  
 Form 140, Rev 3, 8/28/19

SanAir ID Number  
 21007947

Company: <b>KPH Environmental Corp.</b>		Project #: <b>21-400-042, 202</b>		Collected by:	
Address: <b>1237 West Bruce Street</b>		Project Name: <b>McPike Park</b>		Phone #: <b>(414) 647-1530</b>	
City, St., Zip: <b>Milwaukee, WI 53204</b>		Date Collected:		Fax #: <b>(414) 647-1540</b>	
State of Collection: <b>WI</b> Account#: <b>3905</b>		P.O. Number:		Email: <b>dean.jacobsen@kphenvironmental.com</b>	

Bulk			Air			Soil		
ABB	PLM EPA 600/R-93/116	<input checked="" type="checkbox"/>	ABA	PCM NIOSH 7400	<input type="checkbox"/>	ABSE	PLM EPA 600/R-93/116 (Qual.)	<input type="checkbox"/>
	Positive Stop	<input checked="" type="checkbox"/>	ABA-2	OSHA w/ TWA*	<input type="checkbox"/>	<b>Vermiculite &amp; Soil</b>		
ABEPA	PLM EPA 400 Point Count	<input type="checkbox"/>	ABTEM	TEM AHERA	<input type="checkbox"/>	ABSP	PLM CARB 435 (LOD <1%)	<input type="checkbox"/>
ABB1K	PLM EPA 1000 Point Count	<input type="checkbox"/>	ABATN	TEM NIOSH 7402	<input type="checkbox"/>	ABSP1	PLM CARB 435 (LOD 0.25%)	<input type="checkbox"/>
ABBN	PLM EPA NOB**	<input type="checkbox"/>	ABT2	TEM Level II	<input type="checkbox"/>	ABSP2	PLM CARB 435 (LOD 0.1%)	<input type="checkbox"/>
ABBCH	TEM Chatfield**	<input type="checkbox"/>	Other:		<input type="checkbox"/>	<b>Dust</b>		
ABBTM	TEM EPA NOB**	<input type="checkbox"/>	<b>New York ELAP</b>			ABWA	TEM Wipe ASTM D-6480	<input type="checkbox"/>
ABQ	PLM Qualitative	<input type="checkbox"/>	ABEPA2	NY ELAP 198.1	<input type="checkbox"/>	ABDMV	TEM Microvac ASTM D-5755	<input type="checkbox"/>
** Available on 24-hr. to 5-day TAT			ABENY	NY ELAP 198.6 PLM NOB	<input type="checkbox"/>	Matrix <b>Other</b>		
<b>Water</b>			ABBNY	NY ELAP 198.4 TEM NOB	<input type="checkbox"/>	<input type="checkbox"/>		
ABHE	EPA 100.2	<input type="checkbox"/>						

Turn Around Times	3 HR (4 HR TEM) <input type="checkbox"/>	6 HR (8HR TEM) <input type="checkbox"/>	12 HR <input type="checkbox"/>	1 Day <input type="checkbox"/>
	<input type="checkbox"/> 2 Days	<input type="checkbox"/> 3 Days	<input type="checkbox"/> 4 Days	<input checked="" type="checkbox"/> 5 Days

**Special Instructions**

Sample #	Sample Identification/Location	Volume or Area	Sample Date	Flow Rate*	Start - Stop Time*
1A-202					
2A-202					
3A-202					
4A-202					
5A-202					

Relinquished by	Date	Time	Received by	Date	Time
<i>[Signature]</i>	2/22/21	1600	<i>[Signature]</i>	2/23/21	11:35AM

If no technician is provided, then the primary contact for your account will be selected. Unless scheduled, the turnaround time for all samples received after 3 pm EST will be logged in the next business day. Weekend or holiday work must be scheduled ahead of time and is charged at 150% of the 3hr TAT or a minimum charge of \$150. A courier charge will be applied for same day and one-day turnaround times for offsite work. SanAir covers Standard Overnight FedEx shipping. Shipments billed to SanAir with a faster shipping rate will result in additional charges.



SanAir ID Number  
**21010763**  
FINAL REPORT  
3/9/2021 5:32:18 PM

**Name:** KPH Environmental Corp.  
**Address:** 1237 West Bruce Steet  
Milwaukee, WI 53204  
**Phone:** 414-647-1530

**Project Number:** 21-400-042.202  
**P.O. Number:**  
**Project Name:** McPike Park  
**Collected Date:** 3/8/2021  
**Received Date:** 3/9/2021 1:15:00 PM

Dear Dean Jacobsen,

We at SanAir would like to thank you for the work you recently submitted. The 1 sample(s) were received on Tuesday, March 09, 2021 via FedEx. The final report(s) is enclosed for the following sample(s): 6A-202.

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,

A handwritten signature in black ink that reads "Sandra Sobrino". The signature is written in a cursive, flowing style.

Sandra Sobrino  
Asbestos & Materials Laboratory Manager  
SanAir Technologies Laboratory

Final Report Includes:

- Cover Letter
- Analysis Pages
- Disclaimers and Additional Information

Sample conditions:

- 1 samples in Good condition.



SanAir ID Number  
**21010763**  
 FINAL REPORT  
 3/9/2021 5:32:18 PM

**Name:** KPH Environmental Corp.  
**Address:** 1237 West Bruce Steet  
 Milwaukee, WI 53204  
**Phone:** 414-647-1530

**Project Number:** 21-400-042.202  
**P.O. Number:**  
**Project Name:** McPike Park  
**Collected Date:** 3/8/2021  
**Received Date:** 3/9/2021 1:15:00 PM

Analyst: Campos, Angie

### Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic	Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
6A-202 / 21010763-001	Black Non-Fibrous Homogeneous		100% Other	None Detected

Analyst: 

Approved Signatory: 

Analysis Date: 3/9/2021

Date: 3/9/2021

## Disclaimer

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Samples are held for a period of 60 days. Fibers smaller than 5 microns cannot be seen with this method due to scope limitations.

For NY state samples, method EPA 600/M4-82-020 is performed.

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NVLAP lab code 200870-0

City of Philadelphia: ALL-460

PA Department of Environmental Protection Number: 68-05397

California License Number: 2915

Colorado License Number: AL-23143

Connecticut License Number: PH-0105

Massachusetts License Number: AA000222

Maine License Number: LB-0075, LA-0084

New York ELAP lab ID: 11983

Rhode Island License Number: PCM00126, PLM00126, TEM00126

Texas Department of State Health Services License Number: 300440

Commonwealth of Virginia 3333000323

Washington State License Number: C989

West Virginia License Number: LT000616

Vermont License: AL166318

Louisiana Department of Environmental Quality: 212253, Cert 05088

Revision Date: 8/14/2020



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

**Asbestos  
 Chain of Custody**  
 Form 140, Rev 3, 8/28/19

<b>SanAir ID Number</b>
21010763

Company: <b>KPH Environmental Corp.</b>		Project #: <i>21-400-012, 202</i>	Collected by:
Address: <b>1237 West Bruce Street</b>		Project Name: <i>McFike Punk</i>	Phone #: <b>(414) 647-1530</b>
City, St., Zip: <b>Milwaukee, WI 53204</b>		Date Collected: <i>3/8/21</i>	Fax #: <b>(414) 647-1540</b>
State of Collection: <b>WI</b>	Account#: <b>3905</b>	P.O. Number:	Email: <b>dean.jacobsen@kphenvironmental.com</b>

Bulk		Air		Soil	
ABB	PLM EPA 600/R-93/116 <input checked="" type="checkbox"/>	ABA	PCM NIOSH 7400 <input type="checkbox"/>	ABSE	PLM EPA 600/R-93/116 (Qual.) <input type="checkbox"/>
	Positive Stop <input type="checkbox"/>	ABA-2	OSHA w/ TWA* <input type="checkbox"/>	<b>Vermiculite &amp; Soil</b>	
ABEPA	PLM EPA 400 Point Count <input type="checkbox"/>	ABTEM	TEM AHERA <input type="checkbox"/>	ABSP	PLM CARB 435 (LOD <1%) <input type="checkbox"/>
ABBIK	PLM EPA 1000 Point Count <input type="checkbox"/>	ABATN	TEM NIOSH 7402 <input type="checkbox"/>	ABSP1	PLM CARB 435 (LOD 0.25%) <input type="checkbox"/>
ABBEN	PLM EPA NOB** <input type="checkbox"/>	ABT2	TEM Level II <input type="checkbox"/>	ABSP2	PLM CARB 435 (LOD 0.1%) <input type="checkbox"/>
ABBCH	TEM Chatfield** <input type="checkbox"/>	Other:	<input type="checkbox"/>	<b>Dust</b>	
ABBTM	TEM EPA NOB** <input type="checkbox"/>	<b>New York ELAP</b>		ABWA	TEM Wipe ASTM D-6480 <input type="checkbox"/>
ABQ	PLM Qualitative <input type="checkbox"/>	ABEPA2	NY ELAP 198.1 <input type="checkbox"/>	ABDMV	TEM Microvac ASTM D-5755 <input type="checkbox"/>
** Available on 24-hr. to 5-day TAT		ABENY	NY ELAP 198.6 PLM NOB <input type="checkbox"/>	Matrix	Other <input type="checkbox"/>
<b>Water</b>		ABBNY	NY ELAP 198.4 TEM NOB <input type="checkbox"/>		
ABHE	EPA 100.2 <input type="checkbox"/>				

Turn Around Times	3 HR (4 HR TEM) <input type="checkbox"/>	6 HR (8HR TEM) <input type="checkbox"/>	12 HR <input type="checkbox"/>	1 Day <input type="checkbox"/>
	<input type="checkbox"/> 2 Days	<input type="checkbox"/> 3 Days	<input type="checkbox"/> 4 Days	<input type="checkbox"/> 5 Days

**Special Instructions**

Sample #	Sample Identification/Location	Volume or Area	Sample Date	Flow Rate*	Start - Stop Time*
<i>6A-202</i>					

Relinquished by	Date	Time	Received by	Date	Time
<i>[Signature]</i>	<i>3/8/21</i>	<i>1430</i>	<i>ET</i>	<i>3/9/21</i>	<i>11:00am</i>

If no technician is provided, then the primary contact for your account will be selected. Unless scheduled, the turnaround time for all samples received after 3 pm EST will be logged in the next business day. Weekend or holiday work must be scheduled ahead of time and is charged at 150% of the 3hr TAT or a minimum charge of \$150. A courier charge will be applied for same day and one-day turnaround times for offsite work. SanAir covers Standard Overnight FedEx shipping. Shipments billed to SanAir with a faster shipping rate will result in additional charges.

**Brandi Noll**

210107103

**From:** Dean Jacobsen <dean.jacobsen@kphenvironmental.com>  
**Sent:** Tuesday, March 09, 2021 1:15 PM  
**To:** Brandi Noll  
**Cc:** AsbestosVA; AsbestosOH  
**Subject:** RE: 21-400-042.202 / McPike Park - TAT

Brandi,

12 hour TAT.

**Dean Jacobsen**

Project Manager

KPH Environmental & SA Herbst

[www.kphenvironmental.com](http://www.kphenvironmental.com) [www.saherbst.com](http://www.saherbst.com)

1237 West Bruce Street | Milwaukee, WI 53204

c: 414-531-8824 p: 414-647-1530 f: 414-647-1540

[dean.jacobsen@kphenvironmental.com](mailto:dean.jacobsen@kphenvironmental.com)

**From:** Brandi Noll <bnoll@sanair.com>  
**Sent:** Tuesday, March 09, 2021 12:13 PM  
**To:** Dean Jacobsen <dean.jacobsen@kphenvironmental.com>  
**Cc:** AsbestosVA <AsbestosVA@sanair.com>; AsbestosOH <AsbestosOH@sanair.com>  
**Subject:** 21-400-042.202 / McPike Park - TAT

RE: 21-400-042.202 / McPike Park  
SanAir ID: 21010763

Good Morning,

For the Asbestos job mentioned above, there is no turnaround time marked on the COC. Please confirm via email which turnaround time you would like so that we may proceed.

Respectfully,

Brandi Noll  
Customer Service Representative  
SanAir Technologies Laboratory, Inc  
1551 Oakbridge Drive, Suite B  
Powhatan, Va 23139  
Phone: 804.897.1177  
Phone: 888.895.1177  
Fax 804.897.0070

1 @A 3/9/21 1:15pm

## **B. FLOOR PLANS**

**Storage Building**  
**202-208 South Baldwin Street**  
**Madison, WI**



High Intensity Discharge  
Lights Around Entire Building

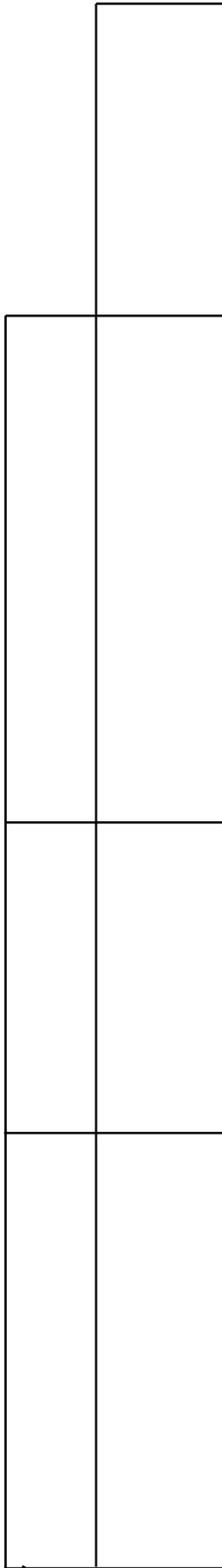
Asphalt Roof Flashing →

← Asphalt Roof Flashing

Asphalt Roof Flashing →

← Asphalt Roof Flashing

Fluorescent Bulbs →



## **C. XRF PERFORMANCE CHARACTERISTIC SHEET**

## Performance Characteristic Sheet

EFFECTIVE DATE: December 1, 2006

EDITION NO.: 1

**MANUFACTURER AND MODEL:**

Make: *Innov-X Systems, Inc.*  
Models: *LBP4000 with software version 1.4 and higher*  
Source: *X-ray tube*

### FIELD OPERATION GUIDANCE

**OPERATING PARAMETERS:**

Inspection mode, variable reading time.

**XRF CALIBRATION CHECK LIMITS:**

1.0 to 1.1 mg/cm <sup>2</sup> (inclusive)
---

**SUBSTRATE CORRECTION:**

Not applicable

**INCONCLUSIVE RANGE OR THRESHOLD:**

INSPECTION MODE READING DESCRIPTION	SUBSTRATE	INCONCLUSIVE RANGE (mg/cm <sup>2</sup> )
Results not corrected for substrate bias on any substrate	Brick	0.6 to 1.1
	Concrete	0.6 to 1.1
	Drywall	0.6 to 1.1
	Metal	0.6 to 1.1
	Plaster	0.6 to 1.1
	Wood	0.6 to 1.1

### BACKGROUND INFORMATION

**EVALUATION DATA SOURCE AND DATE:**

This sheet is supplemental information to be used in conjunction with Chapter 7 of the HUD *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing* ("HUD Guidelines"). Performance parameters shown on this sheet are calculated from the EPA/HUD evaluation using archived building components. Testing was conducted on 146 test locations, with two separate instruments, in December 2005.

**OPERATING PARAMETERS:**

Performance parameters shown in this sheet are applicable only when properly operating the instrument using the manufacturer's instructions and procedures described in Chapter 7 of the HUD Guidelines.

**XRF CALIBRATION CHECK:**

The calibration of the XRF instrument should be checked using the paint film nearest 1.0 mg/cm<sup>2</sup> in the NIST Standard Reference Material (SRM) used (e.g., for NIST SRM 2579, use the 1.02 mg/cm<sup>2</sup> film).

If the average (rounded to 1 decimal place) of three readings is outside the acceptable calibration check range, follow the manufacturer's instructions to bring the instrument into control before XRF testing proceeds.

**SUBSTRATE CORRECTION VALUE COMPUTATION:**

Chapter 7 of the HUD Guidelines provides guidance on correcting XRF results for substrate bias. Supplemental guidance for using the paint film nearest 1.0 mg/cm<sup>2</sup> for substrate correction is provided:

XRF results are corrected for substrate bias by subtracting from each XRF result a correction value determined separately in each house for single-family housing or in each development for multifamily housing, for each substrate. The correction value is an average of XRF readings taken over the NIST SRM paint film nearest to 1.0 mg/cm<sup>2</sup> at test locations that have been scraped bare of their paint covering. Compute the correction values as follows:

Using the same XRF instrument, take three readings on a bare substrate area covered with the NIST SRM paint film nearest 1 mg/cm<sup>2</sup>. Repeat this procedure by taking three more readings on a second bare substrate area of the same substrate covered with the NIST SRM.

Compute the correction value for each substrate type where XRF readings indicate substrate correction is needed by computing the average of all six readings as shown below.

For each substrate type (the 1.02 mg/cm<sup>2</sup> NIST SRM is shown in this example; use the actual lead loading of the NIST SRM used for substrate correction):

$$\text{Correction value} = (1\text{st} + 2\text{nd} + 3\text{rd} + 4\text{th} + 5\text{th} + 6\text{th Reading}) / 6 - 1.02 \text{ mg/cm}^2$$

Repeat this procedure for each substrate requiring substrate correction in the house or housing development.

**EVALUATING THE QUALITY OF XRF TESTING:**

Randomly select ten testing combinations for retesting from each house or from two randomly selected units in multifamily housing.

Conduct XRF re-testing at the ten testing combinations selected for retesting.

Determine if the XRF testing in the units or house passed or failed the test by applying the steps below.

Compute the Retest Tolerance Limit by the following steps:

Determine XRF results for the original and retest XRF readings. Do not correct the original or retest results for substrate bias. In single-family and multi-family housing, a result is defined as a single reading. Therefore, there will be ten original and ten retest XRF results for each house or for the two selected units.

Calculate the average of the original XRF result and the retest XRF result for each testing combination.

Square the average for each testing combination.

Add the ten squared averages together. Call this quantity C.

Multiply the number C by 0.0072. Call this quantity D.

Add the number 0.032 to D. Call this quantity E.

Take the square root of E. Call this quantity F.

Multiply F by 1.645. The result is the Retest Tolerance Limit.

Compute the average of all ten original XRF readings.

Compute the average of all ten re-test XRF readings.

Find the absolute difference of the two averages.

If the difference is less than the Retest Tolerance Limit, the inspection has passed the retest. If the difference of the overall averages equals or exceeds the Retest Tolerance Limit, this procedure should be repeated with ten new testing combinations. If the difference of the overall averages is equal to or greater than the Retest Tolerance Limit a second time, then the inspection should be considered deficient.

Use of this procedure is estimated to produce a spurious result approximately 1% of the time. That is, results of this procedure will call for further examination when no examination is warranted in approximately 1 out of 100 dwelling units tested.

**TESTING TIMES:**

For the variable-time inspection paint test mode, the instrument continues to read until it has determined whether the result is positive or negative (with respect to the 1.0 mg/cm<sup>2</sup> Federal standard), with 95% confidence. The following table provides testing time information for this testing mode.

Testing Times Using Variable Reading Time Inspection Mode (Seconds)						
Substrate	All Data			Median for laboratory-measured lead levels (mg/cm <sup>2</sup> )		
	25 <sup>th</sup> Percentile	Median	75 <sup>th</sup> Percentile	Pb < 0.25	0.25 ≤ Pb < 1.0	1.0 ≤ Pb
Wood, Drywall	2.1	2.3	5.4	2.2	5.4	2.2
Metal	2.6	3.2	5.3	2.7	5.1	5.1
Brick, Concrete, Plaster	3.1	4.0	5.7	3.2	4.0	5.9

**CLASSIFICATION OF RESULTS:**

When an inconclusive range is specified on the *Performance Characteristic Sheet*, XRF results are classified as positive if they are greater than the upper boundary of the inconclusive range, negative if they are less than the lower boundary of the inconclusive range, or inconclusive if in between. The inconclusive range includes both its upper and lower bounds. If the instrument reads "> x mg/cm<sup>2</sup>", the value "x" should be used for classification purposes, ignoring the ">". For example, a reading reported as ">1.0 mg/cm<sup>2</sup>" is classified as 1.0 mg/cm<sup>2</sup>, or inconclusive. When the inconclusive range reported in this PCS is used to classify the readings obtained in the EPA/HUD evaluation, the following False Positive, False Negative and Inconclusive rates are obtained:

- FALSE POSITIVE RATE: 2.5% (2/80)
- FALSE NEGATIVE RATE: 1.9% (4/212)
- INCONCLUSIVE RATE: 16.4% (48/212)

**DOCUMENTATION:**

A document titled *Methodology for XRF Performance Characteristic Sheets* provides an explanation of the statistical methodology used to construct the data in the sheets, and provides empirical results from using the recommended inconclusive ranges or thresholds for specific XRF instruments. For a copy of this document call the National Lead Information Center Clearinghouse at 1-800-424-LEAD.

This XRF Performance Characteristic Sheet was developed by the Midwest Research Institute (MRI) and QuanTech, Inc., under a contract between MRI and the XRF manufacturer. XRF Performance Characteristic Sheets were originally developed by the MRI under a grant from the U. S. Environmental Protection Agency and the U.S. Department of Housing and Urban Development. HUD has determined that the information provided here is acceptable when used as guidance in conjunction with Chapter 7, Lead-Based Paint Inspection, of HUD's *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing*.

## **D. KPH CERTIFICATION**

# Company Certificate

This certifies that

**KPH ENVIRONMENTAL CORPORATION**

1237 W BRUCE ST  
MILWAUKEE WI 53204-1218

is certified under ch. DHS 159, Wis. Adm. Code as a

**Asbestos Company -- Primary**

Certificate Issue Date: 07/16/2020  
Expiration Date: 09/10/2022, 12:01 a.m.  
Certification #: CAP-1432180

Wisconsin Department of Health Services  
Division of Public Health  
Bureau of Environmental and Occupational Health  
Asbestos & Lead Section  
PO Box 2659  
Madison WI 53701-2659  
Phone: (608) 261-6876



*Miriam Hasan*  
Miriam Hasan, Unit Supervisor

# Company Certificate

This certifies that

**KPH ENVIRONMENTAL CORPORATION**

1237 W BRUCE ST  
MILWAUKEE WI 53204-1218

is certified under ch. DHS 163, Wis.Adm.Code as a

**Lead Company**

Certificate Issue Date: 02/01/2021  
Expiration Date: 04/28/2023, 12:01 a.m.  
Certification #: DHS-1432180

Wisconsin Department of Health Services  
Division of Public Health  
Bureau of Environmental and Occupational Health  
Asbestos & Lead Section  
PO Box 2659  
Madison WI 53701-2659  
Phone: (608) 261-6876



*Miriam Hasan*

Miriam Hasan, Unit Supervisor





Tony Evers  
Governor

1 WEST WILSON STREET

P O BOX 2659  
MADISON WI 53701-2659

Andrea Palm  
Secretary

State of Wisconsin  
Department of Health Services

Telephone: 608 266-1251  
FAX: 608 267-2832  
TTY: 888-701-1253  
dhs.wisconsin.gov

November 6, 2020

DEAN T JACOBSEN  
W131S6781 KIPLING DR  
MUSKEGO WI 53150-3401

ID# AII-14370

**Congratulations!** Your new Wisconsin certification card is enclosed. Please look it over and call us right away if anything on your blue card is wrong.

**Follow Wisconsin law by making sure that you:**

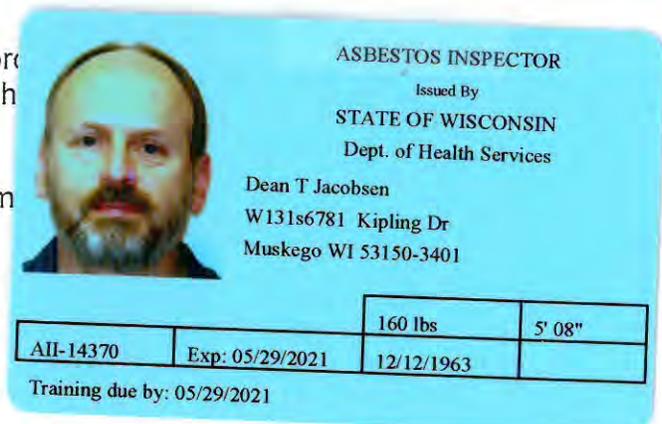
1. Have your blue card with you when doing regulated work.
2. Work safely using the methods you learned in training.
3. Keep your mailing address up to date. We mail a reminder when it's time to renew your blue card. Update your address by emailing [DHSAsbestosLead@wi.gov](mailto:DHSAsbestosLead@wi.gov), by using our Lead and Asbestos Online Certification website, [www.dhs.wisconsin.gov/waldo](http://www.dhs.wisconsin.gov/waldo), or by mailing a note to:

Lead and Asbestos Section  
1 W. Wilson St., Room 137  
P.O. Box 2659  
Madison WI 53701-2659

4. Take refresher training well before the "Training due by" date printed on your blue card.
  - o Asbestos-certified individuals must refresh in Wisconsin no earlier than **90 days** before the due date to keep the same expiration date.  
Find asbestos training providers at [www.dhs.wisconsin.gov/asbestos](http://www.dhs.wisconsin.gov/asbestos).
  - o Lead-certified individuals can refresh up to **1 year** before the due date.  
Find lead training providers at [www.dhs.wisconsin.gov/lead](http://www.dhs.wisconsin.gov/lead).
5. Apply to renew your card at least **1 month** before the "Exp." date on your blue card.
6. Be associated with a certified company when doing regulated work in Wisconsin. If you work for yourself, you must certify your own company under a name of your choosing. Otherwise, you must be employed by a certified company. Get a company application form at [www.dhs.wisconsin.gov/lead](http://www.dhs.wisconsin.gov/lead) or [www.dhs.wisconsin.gov/asbestos](http://www.dhs.wisconsin.gov/asbestos).
7. **Don't** conduct regulated work after your blue card expires. This could result in an enforcement action.

By getting certified and working safely, you pro... professional responsibility. Contact us if you h... below and on the back of your blue card.

The Lead and Asbestos Certification Program  
(608) 261-6876  
[DHSAsbestosLead@wi.gov](mailto:DHSAsbestosLead@wi.gov)  
[www.dhs.wisconsin.gov/asbestos](http://www.dhs.wisconsin.gov/asbestos)  
[www.dhs.wisconsin.gov/lead](http://www.dhs.wisconsin.gov/lead)



ASBESTOS INSPECTOR  
Issued By  
STATE OF WISCONSIN  
Dept. of Health Services  
Dean T Jacobsen  
W131s6781 Kipling Dr  
Muskego WI 53150-3401

AII-14370	Exp: 05/29/2021	160 lbs	5' 08"
-----------	-----------------	---------	--------

Training due by: 05/29/2021

COPY

Tony Evers  
Governor

Andrea Palm  
Secretary



State of Wisconsin  
Department of Health Services

DIVISION OF PUBLIC HEALTH

1 WEST WILSON STREET

P O BOX 2659  
MADISON WI 53701-2659

Telephone: 608 266-1251  
FAX: 608 267-2832  
TTY: 888-701-1253  
dhs.wisconsin.gov

November 25, 2020

DEAN T JACOBSEN  
W131S6781 KIPLING DR  
MUSKEGO WI 53150-3401

ID# LRA-14370

**Congratulations!** Your new Wisconsin certification card is enclosed. Please look it over and call us right away if anything on your blue card is wrong.

**Follow Wisconsin law by making sure that you:**

1. Have your blue card with you when doing regulated work.
2. Work safely using the methods you learned in training.
3. Keep your mailing address up to date. We mail a reminder when it's time to renew your blue card. Update your address by emailing [DHSAsbestosLead@wi.gov](mailto:DHSAsbestosLead@wi.gov), by using our Lead and Asbestos Online Certification website, [www.dhs.wisconsin.gov/waldo](http://www.dhs.wisconsin.gov/waldo), or by mailing a note to:

Lead and Asbestos Section  
1 W. Wilson St., Room 137  
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Madison WI 53701-2659

4. Take refresher training well before the "Training due by" date printed on your blue card.
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Find asbestos training providers at [www.dhs.wisconsin.gov/asbestos](http://www.dhs.wisconsin.gov/asbestos).
  - o Lead-certified individuals can refresh up to **1 year** before the due date.  
Find lead training providers at [www.dhs.wisconsin.gov/lead](http://www.dhs.wisconsin.gov/lead).
5. Apply to renew your card at least **1 month** before the "Exp." date on your blue card.
6. Be associated with a certified company when doing regulated work in Wisconsin. If you work for yourself, you must certify your own company under a name of your choosing. Otherwise, you must be employed by a certified company. Get a company application form at [www.dhs.wisconsin.gov/lead](http://www.dhs.wisconsin.gov/lead) or [www.dhs.wisconsin.gov/asbestos](http://www.dhs.wisconsin.gov/asbestos).
7. **Don't** conduct regulated work after your blue card expires. This could result in an enforcement action.

By getting certified and working safely, you protect your own and others' health and professional responsibility. Contact us if you have any questions listed below and on the back of your blue card.

The Lead and Asbestos Certification Program  
(608) 261-6876  
[DHSAsbestosLead@wi.gov](mailto:DHSAsbestosLead@wi.gov)  
[www.dhs.wisconsin.gov/asbestos](http://www.dhs.wisconsin.gov/asbestos)  
[www.dhs.wisconsin.gov/lead](http://www.dhs.wisconsin.gov/lead)

LEAD(PB) RISK ASSESSOR  
Issued By  
STATE OF WISCONSIN  
Dept. of Health Services

Dean T Jacobsen  
W131s6781 Kipling Dr  
Muskego WI 53150-3401

LRA-14370	Exp: 11/19/2022	160 lbs	5' 08"
Training due by: 11/19/2022		12/12/1963	

COPY



**PRE-DEMOLITION INSPECTION REPORT**

**Job Site:**

**Storage & Office Building  
210 South Baldwin Street  
Madison, Wisconsin**

**For:**

**City of Madison Parks Division  
City-County Building, Suite 104  
210 Martin Luther King, Jr. Blvd.  
Madison, WI 53703-3342**

**KPH Project # 21-400-42.210**

Dean Jacobsen  
Asbestos Inspector No. AII – 14370

Prepared by:

**KPH Environmental**  
1237 West Bruce Street  
Milwaukee, Wisconsin 53204

**March 2021**

<b>KPH ENVIRONMENTAL</b>		WEB <a href="http://kphbuilds.com">kphbuilds.com</a>	
<b>WISCONSIN</b>	ADDRESS: 1237 West Bruce Street, Milwaukee, WI 53204	PHONE: 414.647.1530	FAX: 414.647.1540
<b>MICHIGAN</b>	ADDRESS: 3737 Lake Eastbrook, Suite 203, Grand Rapids, MI 49503	PHONE: 616.920.0574	FAX: 414.647.1540

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210 South Baldwin Street  
Madison, Wisconsin

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## EXECUTIVE SUMMARY

KPH Environmental Corp (KPH), was retained by the City of Madison Parks Division to conduct an inspection of the storage and office building at 210 South Baldwin Street, Madison, Wisconsin, prior to demolition. The one story building is of metal, wood, concrete, and block construction.

KPH conducted a visual inspection for asbestos, potential lead painted surfaces, and universal wastes. KPH collected asbestos bulk samples and for laboratory analysis. An X-ray fluorescence machine (XRF) was used to inspect for potential lead coated surfaces.

Asbestos was detected above the regulatory level of 1% in transite siding on the east and south exterior walls, transite panels on the south center exterior wall and in Unit 22 plus walls and ceiling in Unit 24, black floor filler in Unit 21, and 9" tan floor tile in Unit 21. The transite and the floor filler are category II non-friable asbestos containing materials (ACM) as defined by NR 447 of the Wisconsin Administrative Code. The floor tile is a category I non-friable ACM. These materials may become regulated asbestos containing material (RACM) as defined in NR 447 due to the forces expected to act on the materials in the course of demolition operations. Abatement prior to demolition is recommended.

Asbestos was detected at less than 1% in stucco walls, 9" gray floor tile in Unit 21, and 1' x 1' ceiling tile in Unit 21. These materials are not ACM and do not need asbestos abatement prior to demolition. Asbestos was not detected in any other material that was sampled. Asbestos results are in Section II of this report.

Paint sample testing revealed that lead based paint was detected on the following exterior surfaces: window casings and window wells, the west side gutter/downspout, west man door casing, and west side soffit/fascia. The interior component that has lead based paint is the Unit 21 utility room door. Other exterior and interior surfaces tested do not have lead based coatings. Demolition materials with lead based coatings may be disposed of at a construction/demolition or solid waste landfill. Under Wisconsin waste regulations these materials may not be buried on site or used as fill materials. Results are in Section III of this report.

Universal wastes and other hazardous material were also observed inside the buildings, and are summarized in Section IV of this report.

## I. INTRODUCTION

KPH Environmental Corp., (KPH) was retained by the City of Madison Parks Division to conduct a pre-demolition inspection of the storage and office building at 210 South Baldwin Street, Madison, Wisconsin, for the following:

- Suspect asbestos containing materials
- Suspect lead painted or coated surfaces
- Universal wastes such as CFCs in appliances, mercury in light bulbs, and PCB

containing light fixture ballasts

Mike Sturm, of the City of Madison Parks Division, authorized KPH to conduct an inspection and to analyze samples collected during the inspection. The inspection of the building at 210 South Baldwin Street, Madison, Wisconsin, was conducted on February 22 and March 8, 2021, to cover the items listed above. The inspection was conducted by Dean Jacobsen, Wisconsin Asbestos Inspector License No. AII-14370, and Wisconsin Lead Risk Assessor License No. LRA-14370. Additional information on the inspection and results are contained in the following sections.

## **II. ASEBSTOS INSPECTION**

### **A. Methods**

This asbestos inspection included a visual determination as to the extent of visible and accessible suspect materials in the buildings, sampling and documentation of any of these suspect materials, and quantification of observable and accessible positive materials existing within the spaces inspected.

An asbestos inspection involves inspecting all or part of a building (depending on the project scope) and identifying suspect asbestos containing materials. After suspect materials are identified, the inspector divides the building into homogeneous areas. Homogeneous areas contain materials that are alike in color, composition, age of installation, and any other aspect. If any differences are identified during the inspection, a separate homogeneous area is established.

The inspector then collects bulk samples based upon the type of material and quantity of material in the homogeneous area. Bulk samples were placed into resealable containers and sent to a laboratory certified under the National Voluntary Laboratory Accreditation program (NVLAP) for analysis. Destructive sampling was not conducted where it would have adversely impacted suspect asbestos containing materials, to avoid building contamination.

The results of the survey integrated with the Polarized Light Microscopy with Dispersion Staining (PLM/DS) analysis of bulk samples taken are outlined in this document.

### **B. List of Suspect Asbestos Containing Materials**

The following types of suspect materials were observed and inspected to determine if asbestos containing materials were present in the buildings as required by US EPA NESHAP regulation 40 CFR 61 Subpart M, and NR 447 of the Wisconsin Administrative Code:

- Window glazing compound
- Transite siding
- Tar paper
- Fiberboard
- Asphalt shingle roofing
- Caulk
- Transite panel

- Stucco
- Drywall
- Floor tile
- Floor filler
- Ceiling tile
- Linoleum
- Drywall/joint compound
- Texture
- Concrete block/mortar
- Roof membrane
- Asphalt shingle siding
- Miscellaneous mastics

A listing of specific homogeneous materials and homogeneous material codes are in the Samples and Results section following the results table.

### C. The Laboratory

Samples were analyzed at SanAir Laboratories Inc., for total asbestos content by volume using EPA Method 600/M4/82/020, 600/R-93/116. Analysis is performed by using the bulk samples for visual observation and slide preparation(s) for microscopical examination and identification. The slides are analyzed for asbestos (chrysotile, amosite, crocidolite, anthophyllite, and actinolite/ tremolite), fibrous non asbestos constituents (mineral wool, paper, etc.), and nonfibrous constituents. Asbestos is identified by refractive indices (obtained by using dispersion staining), morphology, color, pleochroism, birefringence, extinction characteristics, and signs of elongation. The same characteristics are used to identify the non asbestos constituents.

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk sample components. The results are valid only for the item tested.

**Current regulations state asbestos containing materials (ACM) means material containing more than 1% asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy.** A point count analysis was performed for sample layers that were near 1% asbestos by the PLM method to better define the asbestos content. Bold values indicate that the material contains more than 1% asbestos. Negative results indicate that no asbestos was detected.

### D. Samples and Results

The following are the laboratory results. The laboratory report is in Appendix A.

Sample #	Location and Description	Results	Homogeneous Code
1A-210	Exterior – on east window – glazing compound	Negative	MPG
2A-210	<b>Exterior – east wall – southeast corner – transite siding</b>	<b>Positive 20% Chrysotile</b>	<b>MTS</b>

Sample #	Location and Description	Results	Homogeneous Code
3A-210	Exterior – east wall – under transite siding – tar paper	Negative	MPT
4A-210	Exterior – southeast wall – fiberboard	Negative	MFB
5A-210	Roof – east side – top layer – black asphalt shingle	Negative	MRSk
6A-210	Roof – east side – 2 <sup>nd</sup> layer – green asphalt shingle	Negative	MRSg
7A-210	Exterior – in southeast gutter – black caulk	Negative	MCLKk
<b>8A-210</b>	<b>Exterior – south center wall near unit 22 – transite panel</b>	<b>Positive 15% Chrysotile</b>	<b>MTP</b>
9A-210	Exterior – south center wall near unit 21 – stucco	Trace <1% Chrysotile	STC
9A-210	Point Count Analysis	Trace <0.25% Chrysotile	STC
9B-210	Exterior – southwest wall near unit 21 – stucco	Trace <1% Chrysotile	STC
9B-210	Point Count Analysis	Trace 0.25% Chrysotile	STC
9C-210	Unit 22 – west wall – stucco	Trace <1% Chrysotile	STC
9C-210	Point Count Analysis	Trace <0.25% Chrysotile	STC
10A-210	Exterior – soffit over unit 22 – drywall	Negative	MDW
11A-210	Unit 22 – north wall – fiberboard #2	Negative	MFB2
12A-210	Unit 21 – east office – under carpet – brown mastic	Negative	MCMn
13A-210a	Unit 21 – east office – under plywood – 9” gray floor tile	Positive 2% Chrysotile	MF9y
13A-210a	Point Count Analysis	Trace 0.9% Chrysotile	MF9y
13A-210b	Unit 21 – east office – under 9” gray floor tile – black mastic/fiberboard	Negative	MF9y
<b>14A-210</b>	<b>Unit 21 – east office – 5<sup>th</sup> layer – black floor filler</b>	<b>Positive 2% Chrysotile</b>	<b>MFFk</b>
15A-210	Unit 21 – east office – south side – 1’ x 1’ pinholed ceiling tile	Negative	MSCT11P
16A-210a	Unit 21 – east office – north side above 2x4 ceiling tile – 1’ x 1’ pinholed and grooved ceiling tile	Trace <1% Amosite	MSCT11PG
16A-210a	Point Count Analysis	Trace 0.25% Amosite	MSCT11PG
16A-210b	Unit 21 – east office – north side – under 1’ x 1’ pinholed and grooved ceiling tile – tan dot mastic	Negative	MSCT11PG
17A-210	Unit 21 – east office – north side – 2’ x 4’ pinholed ceiling tile	Negative	MSCT24P
18A-210	Unit 21 – east office – north side – 2’ x 4’ white and brown ceiling tile	Negative	MSCT24wn
19A-210	Unit 21 – east office – on west wall under wood panel – black mastic	Negative	MPMk
20A-210	Unit 21 – east office – on east wall under wood panel – fiberboard #4	Negative	MFB4
21A-210	Unit 21 – east office – on north counter – brown linoleum	Negative	MFLn
<b>22A-210a</b>	<b>Unit 21 – southwest room – 2<sup>nd</sup> layer – 9” tan floor tile</b>	<b>Positive 3% Chrysotile</b>	<b>MF9t</b>
22A-210b	Unit 21 – southwest room – 2 <sup>nd</sup> layer – under 9” tan floor tile – black mastic	Negative	MF9t
22A-210c	Unit 21 – southwest room – 3 <sup>rd</sup> layer – brown floor filler	Negative	MFFn

Sample #	Location and Description	Results	Homogeneous Code
23A-210	Unit 21 – southwest room – 1' x 1' textured ceiling tile	Negative	MSCT11T
24A-210	Unit 21 – southwest room – under 1' x 1' textured ceiling tile – 1' x 1' pinholed ceiling tile #2	Negative	MSCT11T
25A-210a	Unit 21 – northwest room – north wall – drywall #2	Negative	MDW2
25A-210b	Unit 21 – northwest room – north wall – joint compound	Negative	MDW2
26A-210	Unit 21 – northwest room – on ceiling – texture	Negative	STX
27A-210	Unit 21 – northwest room – on furnace – beige caulk	Negative	MCLKe
28A-210	Unit 21 – southwest room – on west window – glazing compound #2	Negative	MPG2
29A-210	Exterior – west wall – concrete block	Negative	MCB
30A-210	Exterior – around west door – white caulk	Negative	MCLKw
31A-210	Roof – west side – black membrane	Negative	MRM
32A-210	Unit 24 – on east wall – brown asphalt shingle siding	Negative	MSSn
<b>33A-210</b>	<b>Exterior – east wall – northeast corner – transite siding</b>	<b>Positive 15% Chrysotile</b>	<b>MTP</b>
33B-210	Not Analyzed Due to Prior Positive Sample	N/A	MTP

#### Homogeneous Material Codes

STC	Stucco
STX	Texture
MPG	Window Glazing Compound East Side
MPG2	Window Glazing Compound West Side
MTS	Transite Siding
MPT	Tar Paper
MFB	Fiberboard Southeast Wall
MFB2	Fiberboard Unit 22 Wall
MFB3	Fiberboard Under Floor Tile
MFB4	Fiberboard Unit 21 Wall
MRSk	Black Asphalt Shingle Roofing
MRSg	Green Asphalt Shingle Roofing
MCLKk	Black Caulk
MCLKe	Beige Caulk
MCLKw	White Caulk
MTP	Transite Panel
MDW	Drywall
MDW2	Drywall/Joint Compound
MCMn	Brown Carpet Mastic
MF9y	9" Gray Floor Tile
MF9t	9" Tan Floor Tile
MFFk	Black Floor Filler
MFFn	Brown Floor Filler
MSCT11P	1' x 1' Pinholed Ceiling Tile
MSCT11P2	1' x 1' Pinholed Ceiling Tile #2
MSCT11PG	1' x 1' Pinholed & Grooved Ceiling Tile
MSCT11T	1' x 1' Textured Ceiling Tile
MSCT24P	2' x 4' Pinholed Ceiling Tile
MSCT24wn	2' x 4' White & Brown Ceiling Tile
MPMk	Black Wall Panel Mastic
MFLn	Brown Linoleum
MCB	Concrete Block
MRM	Roof Membrane
MSSn	brown Asphalt Shingle Siding

## E. Asbestos Locations and Quantities

Four (4) of the materials sampled contain greater than 1% asbestos and are asbestos containing materials (ACM).

Material	Homogeneous Code	Location	Approximate Quantity	Type
Transite Siding	MTS	Exterior East Wall Exterior Southeast Wall Upper 2 Feet	600 SF	Category II Non-Friable
Transite Panel	MTP	Exterior South Center Wall at Unit 22 Unit 22 East Wall Unit 24 Interior Walls & Ceiling	1,250 SF	Category II Non-Friable
Black Floor Filler	MFFk	Unit 21 East Room Under Floor Tile & Fiberboard	300 SF Approx. 1" Thick	Category II Non-Friable
9" Tan Floor Tile	MF9t	Unit 21 Southwest & Northwest Rooms Under Carpet on Concrete	280 SF	Category I Non-Friable

The transite siding, transite panels, and black floor filler are category II non-friable asbestos containing materials. They were in non-friable condition at the time of the inspection. These materials have a probability of becoming crumbled, pulverized or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations and may become regulated asbestos containing material (RACM) as defined in NR 447.

The 9" tan floor tile is a category I non-friable asbestos containing material. It was in non-friable condition at the time of the inspection. If this material is subjected to sanding, grinding, cutting or abrading during demolition, it would then be defined as RACM under NR 447.

NR 447.08 requires the building owner or operator to have the RACM removed from a facility being renovated or demolished before any activity begins that would break up, dislodge or similarly disturb the material. DHS 159 of the Wisconsin Administrative Code requires that only a certified asbestos company with certified asbestos abatement personnel may remove ACMs from a building.

NR 447 requires the building owner or operator to notify the Wisconsin Department of Natural Resources at least 10 business days prior to the start of any demolition activities, including abatement, by sending in Form 4500-113 or by online notification.

Three (3) of the materials sampled contain less than 1% asbestos as verified by point counting and are not asbestos containing materials (ACM) by definition in 40 CFR 61 Subpart M and NR 447:

Material	Homogeneous Code	Location	Approximate Quantity	Material Type
Stucco	STC	Exterior Southwest & Northwest Walls Unit 22 West Wall	580 SF	Category II Non-Friable
9" Gray Floor Tile	MF9y	Unit 21 Under Carpet	300 SF	Category II Non-Friable
1' x 1' Pinholed & Grooved Ceiling Tile	MSCT11PG	Unit 21 East Room North Side	150 SF	Friable

**Note#1:** If additional materials are discovered during the demolition that are not listed above they are to be assumed to be asbestos containing.

**Note#2:** A copy of this report should be transmitted to the demolition contractor.

### III. LEAD PAINT INSPECTION

#### A. Methods

A lead paint inspection and sampling are recommended for building materials that may contain surfaces painted before 1978. The inspection determines if lead is in the building paint, the location(s) of lead containing surfaces, and the amount of lead in the paint. If the surfaces will be disturbed or demolished, workers can then prepare proper safety measures to reduce exposure to lead containing dust as required by the Occupational Safety and Health Administration. In addition, the Wisconsin Department of Natural Resources requires determination of lead based paint prior to disposal or recycling of building materials (Concrete Recycling and Disposal Fact Sheet WA-605 2017).

The inspection at the office/storage building at 212 South Baldwin Street, Madison, Wisconsin, took place on March 8, 2021. The inspection noted the location, substrate, and color of painted surfaces. An Innov X Model  $\alpha$ -6500 XRF was used to analyze each painted or coated surface. The Certificate of Analysis and Performance Characteristic Sheet are included in Appendix C. The XRF was calibrated at the start and end of each day using standard reference paint films (blank film of  $<0.001 \text{ mg/cm}^2$  and a standard red lead film of  $1.04 \text{ mg/cm}^2 \pm 0.064$ ) supplied with the instrument. The Performance Characteristic Sheet states that substrate correction is not needed with this model XRF.

#### B. Component Testing Results

Chapter 254 of the Wisconsin State Statutes defines lead-based paint as having a surface concentration of lead that is equal to greater than  $1.0 \text{ mg/cm}^2$  for an XRF reading, or greater than 0.5% of lead per weight of a paint chip sample.

**The results of the analysis was classified as follows:**

**Positive:** Any result at or above the Chapter 254 Standard of  $1.0 \text{ mg/cm}^2$  or 0.5% lead.

**Negative:** Any result below the Chapter 254 Standard of  $1.0 \text{ mg/cm}^2$  or 0.5% lead.

#### **Interior: 212 South Baldwin Street, Madison, Wisconsin**

- Painted or coated drywall, wood, and transite walls and ceilings were observed on the interior, along with painted doors, windows, and casings. Lead based paint was detected on the Unit 21 utility room door. Other painted or coated interior surfaces sampled do not have lead based paint.

**Exterior: 212 South Baldwin Street, Madison, Wisconsin**

- Painted block, stucco, and transite walls were observed on the exterior, along with painted doors, windows, and casings. Lead based paint was detected on the exterior surfaces window casing and window wells, plus the west side gutter/downspout, west man door casing, and west soffit/fascia that were tested. Other exterior surfaces tested do not have lead based paint.

The following are the XRF results:

**Date: 3/8/21 XRF Readings**

Paint Testing Results						
Sample	Room	Component & Feature	Substrate	Color	PbC (mg/cm <sup>2</sup> )	Result
1	Exterior	East Wall	Transite	Gray	0.0	Negative
2	<b>Exterior</b>	<b>East Window Sash</b>	<b>Wood</b>	<b>White</b>	<b>5.0</b>	<b>Positive</b>
3	<b>Exterior</b>	<b>East Window Casing</b>	<b>Wood</b>	<b>White</b>	<b>1.56</b>	<b>Positive</b>
4	Exterior	East Wall Fascia	Wood	Gray	0.0	Negative
5	Exterior	East Downspout	Metal	Gray	0.0	Negative
6	Exterior	South Wall	Fiberboard	Gray	0.0	Negative
7	Exterior	Southeast Garage Door	Metal	White	0.0	Negative
8	Exterior	Southeast Man Door	Wood	White	0.0	Negative
9	Exterior	Southwest Wall	Stucco	Gray	0.01	Negative
10	Exterior	South Center Garage Door	Fiberboard	White	0.0	Negative
11	Exterior	Southwest Man Door	Wood	White	0.0	Negative
12	Exterior	Southwest Man Door Casing	Wood	White	0.0	Negative
13	Exterior	Southwest Window Casing	Wood	White	0.45	Negative
14	<b>Exterior</b>	<b>Southwest Window Well</b>	<b>Wood</b>	<b>White</b>	<b>4.45</b>	<b>Positive</b>
15	Exterior	Southwest Wall	Block	Gray	0.03	Negative
16	Exterior	Southwest Fascia	Wood	White	0.68	Negative
17	<b>Exterior</b>	<b>West Gutter</b>	<b>Metal</b>	<b>White</b>	<b>1.42</b>	<b>Positive</b>
18	Exterior	Upper West Fascia	Wood	White	0.6	Negative
19	Exterior	West Wall	Block	Gray	0.06	Negative
20	Exterior	West Man Door	Wood	White	0.0	Negative
21	<b>Exterior</b>	<b>West Man Door Casing</b>	<b>Wood</b>	<b>White</b>	<b>1.92</b>	<b>Positive</b>
22	<b>Exterior</b>	<b>West Soffit/Lower Fascia</b>	<b>Wood</b>	<b>White</b>	<b>1.52</b>	<b>Positive</b>
23	Exterior	Northwest Wall	Block	Gray	0.05	Negative
24	Exterior	Northwest Wall	Stucco	Gray	0.02	Negative
25	Exterior	North Center Wall	Metal	Gray	0.0	Negative
26	Exterior	Northwest Window Casing	Wood	Gray	2.56	Positive
27	Exterior	Northwest Window	Vinyl	White	0.0	Negative
28	Unit 21	Northwest Room East Wall	Drywall	White	0.0	Negative
29	Unit 21	Northwest Room South Wall	Drywall	White	0.0	Negative
30	Unit 21	Northwest Room West Wall	Drywall	White	0.0	Negative
31	Unit 21	Northwest Room North Wall	Drywall	White	0.0	Negative
32	Unit 21	Northwest Room Ceiling	Drywall	White	0.0	Negative
33	Unit 21	Northwest Room Wall Panel	Wood	Varnish	0.0	Negative
34	<b>Unit 21</b>	<b>Northwest Room Utility Room Door</b>	<b>Metal</b>	<b>Brown</b>	<b>1.0</b>	<b>Positive</b>
35	Unit 21	Northwest Room West Entry Door	Wood	Gray	0.06	Negative
36	Unit 21	Northwest Room Utility Room Door Casing	Wood	Varnish	0.0	Negative
37	Unit 21	Southwest Room East Wall	Wood	White	0.0	Negative

Paint Testing Results						
Sample	Room	Component & Feature	Substrate	Color	PbC (mg/cm <sup>2</sup> )	Result
38	Unit 21	Southwest Room South Wall	Wood	White	0.0	Negative
39	Unit 21	Southwest Room West Wall	Wood	White	0.0	Negative
40	Unit 21	Southwest Room North Wall	Wood	White	0.01	Negative
41	Unit 21	Southwest Room East Door Casing	Wood	Varnish	0.02	Negative
42	Unit 21	Southwest Room East Door Frame	Wood	Varnish	0.03	Negative
43	Unit 21	Southwest Room West Window Sash	Wood	Varnish	0.0	Negative
44	Unit 21	Southwest Room West Window Apron	Wood	Varnish	0.01	Negative
<b>45</b>	<b>Unit 21</b>	<b>Southwest Room West Window Well</b>	<b>Wood</b>	<b>White</b>	<b>1.11</b>	<b>Positive</b>
46	Unit 21	East Room East Wall Panel	Wood	Varnish	0.09	Negative
47	Unit 21	East Room South Wall Panel	Wood	Varnish	0.08	Negative
48	Unit 21	East Room North Wall Panel	Wood	Varnish	0.14	Negative
49	Unit 21	East Room South Window Sill	Wood	White	0.03	Negative
50	Unit 21	East Room East Entry Door	Wood	Brown	0.0	Negative
51	Unit 21	East Room East Entry Door Frame	Wood	White	0.01	Negative
52	Unit 22	Door	Metal	Tan	0.0	Negative
53	Unit 22	Door Frame	Wood	Tan	0.0	Negative
54	Unit 22	East Wall	Transite	White	0.0	Negative
55	Unit 22	West Wall	Stucco	Off White	0.0	Negative
56	Unit 22	Floor	Concrete	Gray	0.0	Negative
57	Unit 23	Door	Metal	White	0.0	Negative
58	Unit 24	West Wall	Transite	Tan	0.02	Negative
59	Unit 24	North Wall	Transite	Tan	0.03	Negative
60	Unit 24	Ceiling	Transite	White	0.01	Negative
61	Unit 24	Door Casing	Wood	Tan	0.33	Negative
62	Unit 24	Door	Wood	White	0.0	Negative

Where lead in paint is known or suspected, the owner and contractors must follow the OSHA lead in construction regulation 29 CFR 1926.62. This applies if any amount of lead is present, not just for lead based paint (more than 0.5% Lead). Workers must take care to limit the amount of lead dust generated and follow OSHA safety requirements for lead exposure. The regulation requires:

- Personal exposure monitoring,
- Use of respiratory protection and protective clothing,
- Hygiene areas,
- Engineering controls to control lead dust,
- Worker training

See the OSHA Lead in Construction booklet (OSHA 3142-09R 2003) for guidance and <https://www.osha.gov/SLTC/lead/index.html> for regulatory requirements.

In addition, the Wisconsin Department of Natural Resources requires determination of lead based paint prior to disposal or recycling of building materials (Concrete Recycling and Disposal Fact

Sheet WA-605 2004). According to the Concrete Recycling and Disposal Fact Sheet, building materials from remodeling or demolition debris that contain lead based paint are considered a construction waste or solid waste, unless an exemption is obtained from the DNR (Form 4400-274).

#### IV. UNIVERSAL WASTES

Universal waste and other hazardous materials include items that contain or may contain materials such as mercury, polychlorinated biphenyls (PCB), refrigerants such as Freon and chlorofluorocarbons (CFC), chemicals, and fuels. The following universal wastes and other hazardous materials were identified in the building:

Material	Location	Approximate Quantity
Thermostat-Mercury	Units 21	1
Fluorescent Light Bulbs-Mercury	Units 21, 23, 24	20
Fluorescent Light Ballasts-PCB	Units 21, 23	8
Fire Extinguishers-CFC	Unit 23	3
Lubricants	Unit 23	15 Gallons
Grill Size Propane Tanks	Unit 23	3
Small Compressed Gas Tank	Unit 23	1
Tires	Unit 23	14
Car Batteries	Unit 23	7
Used Motor Oil	Unit 23	4 Gallons
Antifreeze	Unit 23	4 Gallons
Transmission Fluid	Unit 23	1 Gallon
WD-40	Unit 23	½ Gallon & 1 Spray Can
Spray Polish	Unit 23	1 Can
Brake Fluid	Unit 23	1 Pint
Gasoline	Unit 23	4 Gallons
Paint	Unit 24	7 Gallons & 2 Spray Cans
Solvent	Unit 24	1 Gallon

No samples were collected. Universal wastes and other hazardous materials must be removed separately for proper disposal prior to demolition.

#### V. EXCLUSIONS

This report represents the condition of the building and the visible/accessible materials at the date and the times of the onsite inspection. Areas and materials that were hidden or not accessible are excluded, including areas within walls and floors and above ceilings. Not all areas within walls and ceilings were accessible, and these areas may contain suspect asbestos containing materials. Hidden materials or those materials that could not be accessed at the point of inspection, over and above those stated in the inspection report, are the responsibility of the building owner and the demolition contractor.

A limited lead inspection was conducted. The results are representative only of the specific locations that were inspected on the building. This report represents the condition of the buildings and the visible/accessible locations at the date and the time of the onsite inspection.

## VI. LIMITATIONS

The care and skill given to our procedures insures the most reliable test results possible. The findings and conclusions of KPH represent our professional opinions extrapolated from limited data. Significant limited data is gathered during the course of the building inspection. No other warranty is expressed or implied. Prior to any abatement or renovation activities, it is recommended that KPH be provided the opportunity to review such plans in order that the inspection and assessments contained herein are properly interpreted and implemented.

*This report and the information contained herein are prepared for the sole and exclusive use and possession of the City of Madison Parks Division. No other person or entity may rely on this report or any information contained herein. Any dissemination of the Report or any information contained herein is strictly prohibited without prior written authorization from KPH Environmental Corp*

## APPENDICES

## **A. ASBESTOS LABORATORY RESULTS**



SanAir ID Number

21007944

FINAL REPORT

3/2/2021 6:12:29 PM

**Name:** KPH Environmental Corp.  
**Address:** 1237 West Bruce Steet  
Milwaukee, WI 53204  
**Phone:** 414-647-1530

**Project Number:** 21-400-042.210  
**P.O. Number:**  
**Project Name:** McPike Park  
**Collected Date:** Not Provided on COC  
**Received Date:** 2/23/2021 11:35:00 AM

Dear Dean Jacobsen,

We at SanAir would like to thank you for the work you recently submitted. The 33 sample(s) were received on Tuesday, February 23, 2021 via FedEx. The final report(s) is enclosed for the following sample(s): 1A-210, 2A-210, 3A-210, 4A-210, 5A-210, 6A-210, 7A-210, 8A-210, 9A-210, 9B-210, 9C-210, 10A-210, 11A-210, 12A-210, 13A-210, 14A-210, 15A-210, 16A-210, 17A-210, 18A-210, 19A-210, 20A-210, 21A-210, 22A-210, 23A-210, 24A-210, 25A-210, 26A-210, 27A-210, 28A-210, 29A-210, 30A-210, 31A-210.

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,

A handwritten signature in cursive script that reads "Sandra Sobrino".

Sandra Sobrino  
Asbestos & Materials Laboratory Manager  
SanAir Technologies Laboratory

Final Report Includes:

- Cover Letter
- Analysis Pages
- Disclaimers and Additional Information

Sample conditions:

- 33 samples in Good condition.



SanAir ID Number

21007944

FINAL REPORT

3/2/2021 6:12:29 PM

Name: KPH Environmental Corp.
Address: 1237 West Bruce Steet
Milwaukee, WI 53204
Phone: 414-647-1530

Project Number: 21-400-042.210
P.O. Number:
Project Name: McPike Park
Collected Date: Not Provided on COC
Received Date: 2/23/2021 11:35:00 AM

Analyst: Li, Elizabeth

Asbestos Bulk PLM EPA 600/R-93/116

Table with 5 columns: SanAir ID / Description, Stereoscopic Appearance, Components (% Fibrous, % Non-fibrous), and Asbestos Fibers. Rows include samples 1A-210 through 9B-210 with their respective descriptions and fiber detection results.

Analyst: Elizabeth Li

Approved Signatory: Sandra Sobieraj

Analysis Date: 3/2/2021

Date: 3/2/2021



SanAir ID Number

21007944

FINAL REPORT

3/2/2021 6:12:29 PM

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Project Name: McPike Park
Collected Date: Not Provided on COC
Received Date: 2/23/2021 11:35:00 AM

Analyst: Li, Elizabeth

Asbestos Bulk PLM EPA 600/R-93/116

Table with 5 columns: SanAir ID / Description, Stereoscopic Appearance, Components (% Fibrous, % Non-fibrous), and Asbestos Fibers. Rows include samples 9C-210 through 16A-210 with various descriptions like 'Grey Non-Fibrous Homogeneous' and 'White Non-Fibrous Homogeneous'.

Analyst: Elizabeth Li

Approved Signatory: Sandra Sobieraj

Analysis Date: 3/2/2021

Date: 3/2/2021



SanAir ID Number

21007944

FINAL REPORT

3/2/2021 6:12:29 PM

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Received Date: 2/23/2021 11:35:00 AM

Analyst: Li, Elizabeth

Asbestos Bulk PLM EPA 600/R-93/116

Table with 5 columns: SanAir ID / Description, Stereoscopic Appearance, Components (% Fibrous, % Non-fibrous), and Asbestos Fibers. Rows include samples 17A-210 through 24A-210 with details on appearance and fiber detection.

Analyst: Elizabeth Li

Approved Signatory: Sandra Sobieraj

Analysis Date: 3/2/2021

Date: 3/2/2021



SanAir ID Number

21007944

FINAL REPORT

3/2/2021 6:12:29 PM

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Address: 1237 West Bruce Steet
Milwaukee, WI 53204
Phone: 414-647-1530

Project Number: 21-400-042.210
P.O. Number:
Project Name: McPike Park
Collected Date: Not Provided on COC
Received Date: 2/23/2021 11:35:00 AM

Analyst: Li, Elizabeth

Asbestos Bulk PLM EPA 600/R-93/116

Table with 5 columns: SanAir ID / Description, Stereoscopic Appearance, Components (% Fibrous, % Non-fibrous), and Asbestos Fibers. Rows include samples like 25A-210 / 21007944-027, 25A-210 / 21007944-027, 26A-210 / 21007944-028, 27A-210 / 21007944-029, 28A-210 / 21007944-030, 29A-210 / 21007944-031, 30A-210 / 21007944-032, and 31A-210 / 21007944-033.

Analyst: Elizabeth Li

Approved Signatory: Sandra Sobieraj

Analysis Date: 3/2/2021

Date: 3/2/2021

## Disclaimer

This report is the sole property of the client named on the SanAir Technologies Laboratory chain-of-custody (COC). Results in the report are confidential information intended only for the use by the customer listed on the COC. Neither results nor reports will be discussed with or released to any third party without our client's written permission. The final report shall not be reproduced except in full without written approval of the laboratory to assure that parts of the report are not taken out of context. The information provided in this report applies only to the samples submitted and is relevant only for the date, time, and location of sampling. The accuracy of the results is dependent upon the client's sampling procedure and information provided to the laboratory by the client. SanAir assumes no responsibility for the sampling procedure and will provide evaluation reports based solely on the sample(s) in the condition in which they arrived at the laboratory and information provided by the client on the COC, such as: project number, project name, collection dates, po number, special instructions, samples collected by, sample numbers, sample identifications, sample type, selected analysis type, flow rate, total volume or area, and start stop times that may affect the validity of the results in this report. Samples were received in good condition unless otherwise noted on the report. SanAir assumes no responsibility or liability for the manner in which the results are used or interpreted. This report does not constitute and shall not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any other U.S. governmental agencies and may not be certified by every local, state, and federal regulatory agencies.

Samples are held for a period of 60 days. Fibers smaller than 5 microns cannot be seen with this method due to scope limitations.

For NY state samples, method EPA 600/M4-82-020 is performed.

### 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 Certifications

NVLAP lab code 200870-0

City of Philadelphia: ALL-460

PA Department of Environmental Protection Number: 68-05397

California License Number: 2915

Colorado License Number: AL-23143

Connecticut License Number: PH-0105

Massachusetts License Number: AA000222

Maine License Number: LB-0075, LA-0084

New York ELAP lab ID: 11983

Rhode Island License Number: PCM00126, PLM00126, TEM00126

Texas Department of State Health Services License Number: 300440

Commonwealth of Virginia 3333000323

Washington State License Number: C989

West Virginia License Number: LT000616

Vermont License: AL166318

Louisiana Department of Environmental Quality: 212253, Cert 05088

Revision Date: 8/14/2020



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 Fax 804.897.0070  
 sanair.com

**Asbestos  
 Chain of Custody**  
 Form 140, Rev 3, 8/28/19

**SanAir ID Number**  
 21007944

Company: <b>KPH Environmental Corp.</b>		Project #: <b>21-400-042, 210</b>	Collected by:
Address: <b>1237 West Bruce Street</b>		Project Name: <b>McPike Park</b>	Phone #: <b>(414) 647-1530</b>
City, St., Zip: <b>Milwaukee, WI 53204</b>		Date Collected:	Fax #: <b>(414) 647-1540</b>
State of Collection: <b>WI</b>	Account#: <b>3905</b>	P.O. Number:	Email: <b>dean.jacobsen@kphenvironmental.com</b>

Bulk			Air			Soil		
ABB	PLM EPA 600/R-93/116	<input checked="" type="checkbox"/>	ABA	PCM NIOSH 7400	<input type="checkbox"/>	ABSE	PLM EPA 600/R-93/116 (Qual.)	<input type="checkbox"/>
	Positive Stop	<input checked="" type="checkbox"/>	ABA-2	OSHA w/ TWA*	<input type="checkbox"/>	<b>Vermiculite &amp; Soil</b>		
ABEPA	PLM EPA 400 Point Count	<input type="checkbox"/>	ABTEM	TEM AHERA	<input type="checkbox"/>	ABSP	PLM CARB 435 (LOD <1%)	<input type="checkbox"/>
ABB1K	PLM EPA 1000 Point Count	<input type="checkbox"/>	ABATN	TEM NIOSH 7402	<input type="checkbox"/>	ABSP1	PLM CARB 435 (LOD 0.25%)	<input type="checkbox"/>
ABBen	PLM EPA NOB**	<input type="checkbox"/>	ABT2	TEM Level II	<input type="checkbox"/>	ABSP2	PLM CARB 435 (LOD 0.1%)	<input type="checkbox"/>
ABBCH	TEM Chatfield**	<input type="checkbox"/>	Other:		<input type="checkbox"/>	<b>Dust</b>		
ABBTM	TEM EPA NOB**	<input type="checkbox"/>	<b>New York ELAP</b>			ABWA	TEM Wipe ASTM D-6480	<input type="checkbox"/>
ABQ	PLM Qualitative	<input type="checkbox"/>	ABEPA2	NY ELAP 198.1	<input type="checkbox"/>	ABDMV	TEM Microvac ASTM D-5755	<input type="checkbox"/>
			ABENY	NY ELAP 198.6 PLM NOB	<input type="checkbox"/>	Matrix <b>Other</b>		
			ABBNY	NY ELAP 198.4 TEM NOB	<input type="checkbox"/>			<input type="checkbox"/>

\*\* Available on 24-hr. to 5-day TAT

Water	
ABHE	EPA 100.2 <input type="checkbox"/>

Turn Around Times	3 HR (4 HR TEM) <input type="checkbox"/>	6 HR (8HR TEM) <input type="checkbox"/>	12 HR <input type="checkbox"/>	1 Day <input type="checkbox"/>
	<input type="checkbox"/> 2 Days	<input type="checkbox"/> 3 Days	<input type="checkbox"/> 4 Days	<input checked="" type="checkbox"/> 5 Days

**Special Instructions**

Sample #	Sample Identification/Location	Volume or Area	Sample Date	Flow Rate*	Start - Stop Time*
1A-210					
2A-210					
3A-210					
4A-210					
5A-210					
6A-210					
7A-210					
8A-210					
9A-210					
9B-210					
9C-210					
10A-210					

Relinquished by	Date	Time	Received by	Date	Time
<i>[Signature]</i>	2/22/21	1:00	<i>[Signature]</i>	2/25/21	11:35 AM

If no technician is provided, then the primary contact for your account will be selected. Unless scheduled, the turnaround time for all samples received after 3 pm EST will be logged in the next business day. Weekend or holiday work must be scheduled ahead of time and is charged at 150% of the 3hr TAT or a minimum charge of \$150. A courier charge will be applied for same day and one-day turnaround times for offsite work. SanAir covers Standard Overnight FedEx shipping. Shipments billed to SanAir with a faster shipping rate will result in additional charges.





SanAir ID Number  
21010766  
FINAL REPORT  
3/9/2021 4:19:35 PM

**Name:** KPH Environmental Corp.  
**Address:** 1237 West Bruce Steet  
Milwaukee, WI 53204  
**Phone:** 414-647-1530

**Project Number:** 21-400-042.210  
**P.O. Number:**  
**Project Name:** McPike Park  
**Collected Date:** 3/8/2021  
**Received Date:** 3/9/2021 11:00:00 AM

Dear Dean Jacobsen,

We at SanAir would like to thank you for the work you recently submitted. The 3 sample(s) were received on Tuesday, March 09, 2021 via FedEx. The final report(s) is enclosed for the following sample(s): 32A-210, 33A-210, 33B-210.

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,

A handwritten signature in black ink that reads "Sandra Sobrino". The signature is written in a cursive, flowing style.

Sandra Sobrino  
Asbestos & Materials Laboratory Manager  
SanAir Technologies Laboratory

Final Report Includes:

- Cover Letter
- Analysis Pages
- Disclaimers and Additional Information

Sample conditions:

- 3 samples in Good condition.



SanAir ID Number  
**21010766**  
 FINAL REPORT  
 3/9/2021 4:19:35 PM

**Name:** KPH Environmental Corp.  
**Address:** 1237 West Bruce Steet  
 Milwaukee, WI 53204  
**Phone:** 414-647-1530

**Project Number:** 21-400-042.210  
**P.O. Number:**  
**Project Name:** McPike Park  
**Collected Date:** 3/8/2021  
**Received Date:** 3/9/2021 11:00:00 AM

Analyst: Li, Elizabeth

### Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic	Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
32A-210 / 21010766-001	Brown Non-Fibrous Heterogeneous	40% Cellulose	60% Other	None Detected
33A-210 / 21010766-002	Grey Non-Fibrous Homogeneous		85% Other	15% Chrysotile
33B-210 / 21010766-003				Not Analyzed

Analyst: *Elizabeth Li*

Approved Signatory: *Johnathan Wilson*

Analysis Date: 3/9/2021

Date: 3/9/2021

## Disclaimer

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Samples are held for a period of 60 days. Fibers smaller than 5 microns cannot be seen with this method due to scope limitations.

For NY state samples, method EPA 600/M4-82-020 is performed.

### 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 Certifications

NVLAP lab code 200870-0

City of Philadelphia: ALL-460

PA Department of Environmental Protection Number: 68-05397

California License Number: 2915

Colorado License Number: AL-23143

Connecticut License Number: PH-0105

Massachusetts License Number: AA000222

Maine License Number: LB-0075, LA-0084

New York ELAP lab ID: 11983

Rhode Island License Number: PCM00126, PLM00126, TEM00126

Texas Department of State Health Services License Number: 300440

Commonwealth of Virginia 3333000323

Washington State License Number: C989

West Virginia License Number: LT000616

Vermont License: AL166318

Louisiana Department of Environmental Quality: 212253, Cert 05088

Revision Date: 8/14/2020



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 Fax 804.897.0070  
 sanair.com

**Asbestos**  
**Chain of Custody**  
 Form 140, Rev 3, 8/28/19

**SanAir ID Number**  
 21010766

Company: <b>KPH Environmental Corp.</b>		Project #: <b>21-400 042,210</b>	Collected by:
Address: <b>1237 West Bruce Street</b>		Project Name: <b>McPike fork</b>	Phone #: <b>(414) 647-1530</b>
City, St., Zip: <b>Milwaukee, WI 53204</b>		Date Collected: <b>3/8/21</b>	Fax #: <b>(414) 647-1540</b>
State of Collection: <b>WI</b>	Account#: <b>3905</b>	P.O. Number:	Email: <b>dean.jacobsen@kphenvironmental.com</b>

Bulk		Air		Soil	
ABB	PLM EPA 600/R-93/116 <input checked="" type="checkbox"/>	ABA	PCM NIOSH 7400 <input type="checkbox"/>	ABSE	PLM EPA 600/R-93/116 (Qual.) <input type="checkbox"/>
	Positive Stop <input checked="" type="checkbox"/>	ABA-2	OSHA w/ TWA* <input type="checkbox"/>	<b>Vermiculite &amp; Soil</b>	
ABEPA	PLM EPA 400 Point Count <input type="checkbox"/>	ABTEM	TEM AHERA <input type="checkbox"/>	ABSP	PLM CARB 435 (LOD <1%) <input type="checkbox"/>
ABB1K	PLM EPA 1000 Point Count <input type="checkbox"/>	ABATN	TEM NIOSH 7402 <input type="checkbox"/>	ABSP1	PLM CARB 435 (LOD 0.25%) <input type="checkbox"/>
ABBEN	PLM EPA NOB** <input type="checkbox"/>	ABT2	TEM Level II <input type="checkbox"/>	ABSP2	PLM CARB 435 (LOD 0.1%) <input type="checkbox"/>
ABBCH	TEM Chatfield** <input type="checkbox"/>	Other:	<input type="checkbox"/>	<b>Dust</b>	
ABBTM	TEM EPA NOB** <input type="checkbox"/>	<b>New York ELAP</b>		ABWA	TEM Wipe ASTM D-6480 <input type="checkbox"/>
ABQ	PLM Qualitative <input type="checkbox"/>	ABEPA2	NY ELAP 198.1 <input type="checkbox"/>	ABDMV	TEM Microvac ASTM D-5755 <input type="checkbox"/>
		ABENY	NY ELAP 198.6 PLM NOB <input type="checkbox"/>		
		ABBNY	NY ELAP 198.4 TEM NOB <input type="checkbox"/>	Matrix	Other <input type="checkbox"/>
<b>Water</b>					
ABHE	EPA 100.2 <input type="checkbox"/>				

\*\* Available on 24-hr. to 5-day TAT

Turn Around Times	3 HR (4 HR TEM) <input type="checkbox"/>	6 HR (8HR TEM) <input type="checkbox"/>	12 HR <input checked="" type="checkbox"/>	1 Day <input type="checkbox"/>
	<input type="checkbox"/> 2 Days	<input type="checkbox"/> 3 Days	<input type="checkbox"/> 4 Days	<input type="checkbox"/> 5 Days

**Special Instructions**

Sample #	Sample Identification/Location	Volume or Area	Sample Date	Flow Rate*	Start - Stop Time*
32A-210					
33A-210					
33B-210					

Relinquished by	Date	Time	Received by	Date	Time
<i>[Signature]</i>	3/8/21	1730	<i>[Signature]</i>	3/9/21	11:00am

If no technician is provided, then the primary contact for your account will be selected. Unless scheduled, the turnaround time for all samples received after 3 pm EST will be logged in the next business day. Weekend or holiday work must be scheduled ahead of time and is charged at 150% of the 3hr TAT or a minimum charge of \$150. A courier charge will be applied for same day and one-day turnaround times for offsite work. SanAir covers Standard Overnight FedEx shipping. Shipments billed to SanAir with a faster shipping rate will result in additional charges.



SanAir ID Number  
**21009595**  
FINAL REPORT  
3/5/2021 10:21:31 AM

**Name:** KPH Environmental Corp.  
**Address:** 1237 West Bruce Steet  
Milwaukee, WI 53204  
**Phone:** 414-647-1530

**Project Number:** 21-400-042.210  
**P.O. Number:**  
**Project Name:** McPike Park  
**Collected Date:** 2/22/2021  
**Received Date:** 3/3/2021 10:41:00 AM

Dear Dean Jacobsen,

We at SanAir would like to thank you for the work you recently submitted. The 4 sample(s) were received on Wednesday, March 03, 2021 via Fax or Email request. The final report(s) is enclosed for the following sample(s): 9A-210, 9B-210, 9C-210, 16A-210.

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,

A handwritten signature in black ink that reads "Sandra Sobrino". The signature is written in a cursive, flowing style.

Sandra Sobrino  
Asbestos & Materials Laboratory Manager  
SanAir Technologies Laboratory

Final Report Includes:

- Cover Letter
- Analysis Pages
- Disclaimers and Additional Information

Sample conditions:

- 4 samples in Good condition.



SanAir ID Number  
**21009595**  
 FINAL REPORT  
 3/5/2021 10:21:31 AM

**Name:** KPH Environmental Corp.  
**Address:** 1237 West Bruce Steet  
 Milwaukee, WI 53204  
**Phone:** 414-647-1530

**Project Number:** 21-400-042.210  
**P.O. Number:**  
**Project Name:** McPike Park  
**Collected Date:** 2/22/2021  
**Received Date:** 3/3/2021 10:41:00 AM

Analyst: Li, Elizabeth

### Asbestos Bulk EPA PLM 400 Point Count

SanAir ID / Description	Stereoscopic	Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
9A-210 / 21009595-001	Grey Non-Fibrous Homogeneous		100% Other	< 0.25% Chrysotile
9B-210 / 21009595-002	Grey Non-Fibrous Homogeneous		99.75% Other	0.25% Chrysotile
9C-210 / 21009595-003	Grey Non-Fibrous Homogeneous		100% Other	< 0.25% Chrysotile
16A-210 / 21009595-004 Ceiling Tile	White Fibrous Homogeneous		99.75% Other	0.25% Amosite

Analyst: *Elizabeth Li*

Approved Signatory: *[Signature]*

Analysis Date: 3/5/2021

Date: 3/5/2021

## **Disclaimer**

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 sanair.com

Asbestos  
 Chain of Custody  
 Form 140, Rev 3, 8/28/19

SanAir ID Number  
 21009595  
 Collected by:  
 Phone #: (414) 647-1530  
 Fax #: (414) 647-1540  
 Email: dean.jacobsen@kphenvironmental.com

Company: KPH Environmental Corp. Project #: 21-400-042.210  
 Address: 1237 West Bruce Street Project Name: McPike Park  
 City, St., Zip: Milwaukee, WI 53204 Date Collected: 2/22/21  
 State of Collection: WI Account#: 3905 P.O. Number: Email: dean.jacobsen@kphenvironmental.com

Bulk			Air			Soil		
ABB	PLM EPA 600/R-93/116	<input type="checkbox"/>	ABA	PCM NIOSH 7400	<input type="checkbox"/>	ABSE	PLM EPA 600/R-93/116 (Qual.)	<input type="checkbox"/>
	Positive Stop	<input type="checkbox"/>	ABA-2	OSHA w/ TWA*	<input type="checkbox"/>	<b>Vermiculite &amp; Soil</b>		
ABEPA	PLM EPA 400 Point Count	<input checked="" type="checkbox"/>	ABTEM	TEM AHERA	<input type="checkbox"/>	ABSP	PLM CARB 435 (LOD <1%)	<input type="checkbox"/>
ABB1K	PLM EPA 1000 Point Count	<input type="checkbox"/>	ABATN	TEM NIOSH 7402	<input type="checkbox"/>	ABSP1	PLM CARB 435 (LOD 0.25%)	<input type="checkbox"/>
ABBEN	PLM EPA NOB**	<input checked="" type="checkbox"/>	ABT2	TEM Level II	<input type="checkbox"/>	ABSP2	PLM CARB 435 (LOD 0.1%)	<input type="checkbox"/>
ABBCH	TEM Chatfield**	<input type="checkbox"/>	Other:		<input type="checkbox"/>	<b>Dust</b>		
ABBTM	TEM EPA NOB**	<input type="checkbox"/>	<b>New York ELAP</b>			ABWA	TEM Wipe ASTM D-6480	<input type="checkbox"/>
ABQ	PLM Qualitative	<input type="checkbox"/>	ABEPA2	NY ELAP 198.1	<input type="checkbox"/>	ABDMV	TEM Microvac ASTM D-5755	<input type="checkbox"/>
** Available on 24-hr. to 5-day TAT			ABENY	NY ELAP 198.6 PLM NOB	<input type="checkbox"/>	<b>Matrix Other</b>		
<b>Water</b>			ABBNY	NY ELAP 198.4 TEM NOB	<input type="checkbox"/>			<input type="checkbox"/>
ABHE	EPA 100.2	<input type="checkbox"/>						

Turn Around Times	3 HR (4 HR TEM) <input type="checkbox"/>	6 HR (8HR TEM) <input type="checkbox"/>	12 HR <input type="checkbox"/>	1 Day <input type="checkbox"/>
	<input checked="" type="checkbox"/> 2 Days	<input type="checkbox"/> 3 Days	<input type="checkbox"/> 4 Days	<input type="checkbox"/> 5 Days

**Special Instructions**

Sample #	Sample Identification/Location	Volume or Area	Sample Date	Flow Rate*	Start - Stop Time*
9A-210					
9B-210					
9C-210					
13A-210	floor tile				
16A-210	ceiling tile				

Relinquished by	Date	Time	Received by	Date	Time
<i>[Signature]</i>	3/3/21	940	AM	3-3-21	1041 AM

If no technician is provided, then the primary contact for your account will be selected. Unless scheduled, the turnaround time for all samples received after 3 pm EST will be logged in the next business day. Weekend or holiday work must be scheduled ahead of time and is charged at 150% of the 3hr TAT or a minimum charge of \$150. A courier charge will be applied for same day and one-day turnaround times for offsite work. SanAir covers Standard Overnight FedEx shipping. Shipments billed to SanAir with a faster shipping rate will result in additional charges.



SanAir ID Number  
21009596  
FINAL REPORT  
3/5/2021 12:35:14 PM

**Name:** KPH Environmental Corp.  
**Address:** 1237 West Bruce Steet  
Milwaukee, WI 53204  
**Phone:** 414-647-1530

**Project Number:** 21-400-042.210  
**P.O. Number:**  
**Project Name:** McPike Park  
**Collected Date:** 2/22/2021  
**Received Date:** 3/3/2021 10:41:00 AM

Dear Dean Jacobsen,

We at SanAir would like to thank you for the work you recently submitted. The 1 sample(s) were received on Wednesday, March 03, 2021 via Fax or Email request. The final report(s) is enclosed for the following sample(s): 13A-210.

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,

A handwritten signature in black ink that reads "Sandra Sobrino". The signature is written in a cursive, flowing style.

Sandra Sobrino  
Asbestos & Materials Laboratory Manager  
SanAir Technologies Laboratory

Final Report Includes:

- Cover Letter
- Analysis Pages
- Disclaimers and Additional Information

Sample conditions:

- 1 samples in Good condition.



SanAir ID Number  
21009596  
FINAL REPORT  
3/5/2021 12:35:14 PM

**Name:** KPH Environmental Corp.  
**Address:** 1237 West Bruce Steet  
Milwaukee, WI 53204  
**Phone:** 414-647-1530

**Project Number:** 21-400-042.210  
**P.O. Number:**  
**Project Name:** McPike Park  
**Collected Date:** 2/22/2021  
**Received Date:** 3/3/2021 10:41:00 AM

Analyst: Roseblock, Mary

### Asbestos Bulk EPA PLM NOB EPA 600/R-93/116

SanAir ID / Description	Appearance	% Fibrous	% Non Fibrous	Asbestos Types	% Total Asbestos
21009596-001 / 13A-210 Floor Tile	Tan Non-Fibrous Homogeneous		99.1 %	Chrysotile	0.9 %

EPA 400 Point Count with Gravimetric Reduction.

Analyst: *Mary E Roseblock*

Approved Signatory: *Johnathan Wilson*

Analysis Date: 3/5/2021

Date: 3/5/2021

## **Disclaimer**

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 sanair.com

Asbestos  
 Chain of Custody  
 Form 140, Rev 3, 8/28/19

SanAir ID Number  
 21009596

Company: KPH Environmental Corp.		Project #: 21-400-042.210		Collected by:
Address: 1237 West Bruce Street		Project Name: McPike Park		Phone #: (414) 647-1530
City, St., Zip: Milwaukee, WI 53204		Date Collected: 2/22/21		Fax #: (414) 647-1540
State of Collection: WI	Account#: 3905	P.O. Number:		Email: dean.jacobsen@kphenvironmental.com

Bulk			Air			Soil		
ABB	PLM EPA 600/R-93/116	<input type="checkbox"/>	ABA	PCM NIOSH 7400	<input type="checkbox"/>	ABSE	PLM EPA 600/R-93/116 (Qual.)	<input type="checkbox"/>
	Positive Stop	<input type="checkbox"/>	ABA-2	OSHA w/ TWA	<input type="checkbox"/>	<b>Vermiculite &amp; Soil</b>		
ABEPA	PLM EPA 400 Point Count	<input checked="" type="checkbox"/>	ABTEM	TEM AHERA	<input type="checkbox"/>	ABSP	PLM CARB 435 (LOD <1%)	<input type="checkbox"/>
ABB1K	PLM EPA 1000 Point Count	<input type="checkbox"/>	ABATN	TEM NIOSH 7402	<input type="checkbox"/>	ABSP1	PLM CARB 435 (LOD 0.25%)	<input type="checkbox"/>
ABBEN	PLM EPA NOB**	<input checked="" type="checkbox"/>	ABT2	TEM Level II	<input type="checkbox"/>	ABSP2	PLM CARB 435 (LOD 0.1%)	<input type="checkbox"/>
ABBCH	TEM Chatfield**	<input type="checkbox"/>	Other.		<input type="checkbox"/>	<b>Dust</b>		
ABBTM	TEM EPA NOB**	<input type="checkbox"/>	<b>New York ELAP</b>			ABWA	TEM Wipe ASTM D-6480	<input type="checkbox"/>
ABQ	PLM Qualitative	<input type="checkbox"/>	ABEPA2	NY ELAP 198.1	<input type="checkbox"/>	ABDMV	TEM Microvac ASTM D-5755	<input type="checkbox"/>
** Available on 24-hr. to 5-day TAT			ABENY	NY ELAP 198.6 PLM NOB	<input type="checkbox"/>	<b>Matrix Other</b>		
<b>Water</b>			ABBNY	NY ELAP 198.4 TEM NOB	<input type="checkbox"/>			<input type="checkbox"/>
ABHE	EPA 100.2	<input type="checkbox"/>						

Turn Around Times	3 HR (4 HR TEM) <input type="checkbox"/>	6 HR (8HR TEM) <input type="checkbox"/>	12 HR <input type="checkbox"/>	1 Day <input type="checkbox"/>
	<input checked="" type="checkbox"/> 2 Days	<input type="checkbox"/> 3 Days	<input type="checkbox"/> 4 Days	<input type="checkbox"/> 5 Days

**Special Instructions**

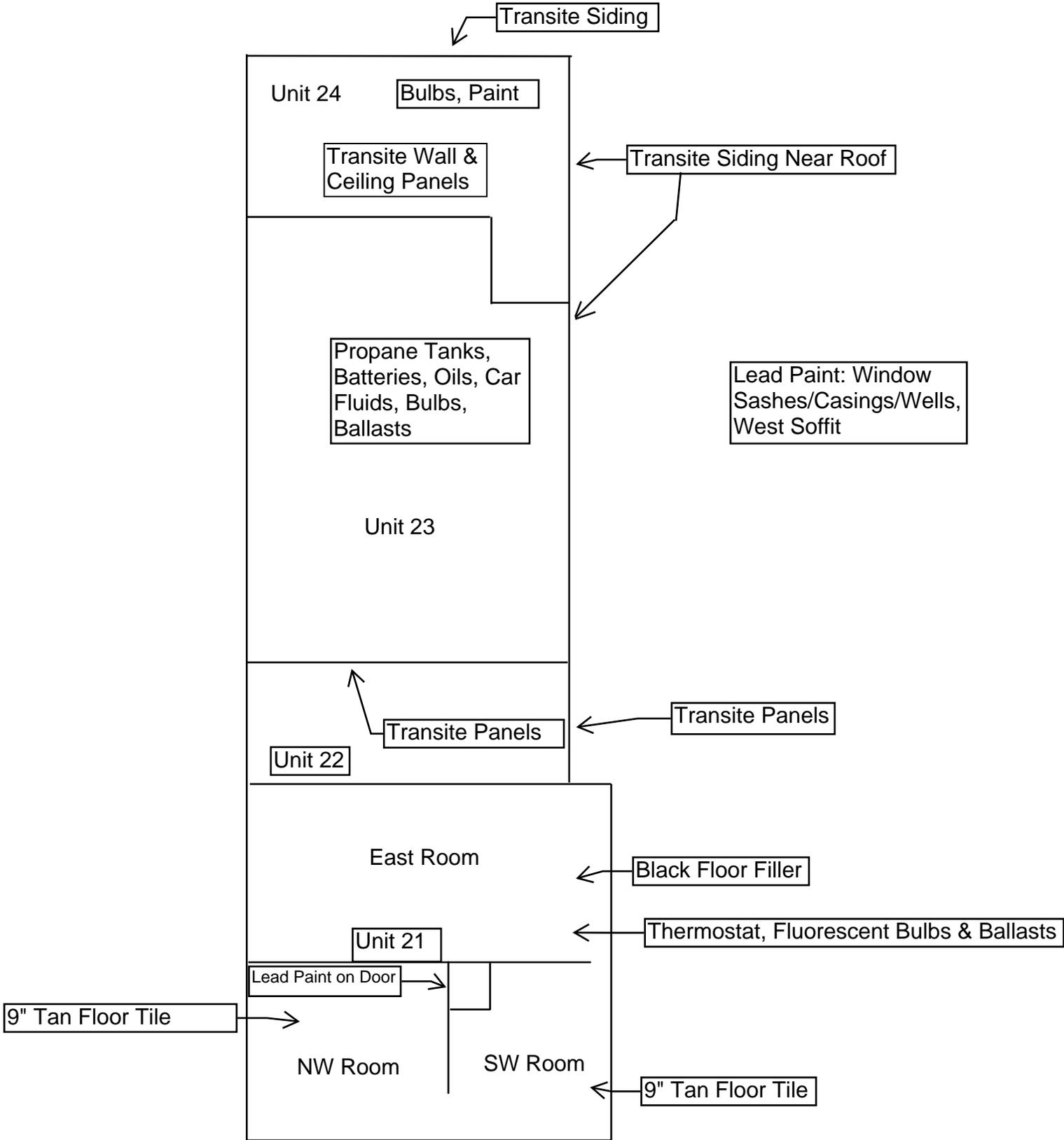
Sample #	Sample Identification/Location	Volume or Area	Sample Date	Flow Rate*	Start - Stop Time*
9A-210					
9B-210					
9C-210					
13A-210	floor tile				
16A-210	ceiling tile				

Relinquished by	Date	Time	Received by	Date	Time
<i>[Signature]</i>	3/3/21	940	AM	3-3-21	10:41 am

If no technician is provided, then the primary contact for your account will be selected. Unless scheduled, the turnaround time for all samples received after 3 pm EST will be logged in the next business day. Weekend or holiday work must be scheduled ahead of time and is charged at 150% of the 3hr TAT or a minimum charge of \$150. A courier charge will be applied for same day and one-day turnaround times for offsite work. SanAir covers Standard Overnight FedEx shipping. Shipments billed to SanAir with a faster shipping rate will result in additional charges.

**B. FLOOR PLANS**

**Storage & Office Building  
210 South Baldwin Street  
Madison, WI**



## **C. XRF PERFORMANCE CHARACTERISTIC SHEET**

## Performance Characteristic Sheet

EFFECTIVE DATE: December 1, 2006

EDITION NO.: 1

**MANUFACTURER AND MODEL:**

Make: *Innov-X Systems, Inc.*  
Models: *LBP4000 with software version 1.4 and higher*  
Source: *X-ray tube*

### FIELD OPERATION GUIDANCE

**OPERATING PARAMETERS:**

Inspection mode, variable reading time.

**XRF CALIBRATION CHECK LIMITS:**

1.0 to 1.1 mg/cm <sup>2</sup> (inclusive)
---

**SUBSTRATE CORRECTION:**

Not applicable

**INCONCLUSIVE RANGE OR THRESHOLD:**

INSPECTION MODE READING DESCRIPTION	SUBSTRATE	INCONCLUSIVE RANGE (mg/cm <sup>2</sup> )
Results not corrected for substrate bias on any substrate	Brick	0.6 to 1.1
	Concrete	0.6 to 1.1
	Drywall	0.6 to 1.1
	Metal	0.6 to 1.1
	Plaster	0.6 to 1.1
	Wood	0.6 to 1.1

### BACKGROUND INFORMATION

**EVALUATION DATA SOURCE AND DATE:**

This sheet is supplemental information to be used in conjunction with Chapter 7 of the HUD *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing* ("HUD Guidelines"). Performance parameters shown on this sheet are calculated from the EPA/HUD evaluation using archived building components. Testing was conducted on 146 test locations, with two separate instruments, in December 2005.

**OPERATING PARAMETERS:**

Performance parameters shown in this sheet are applicable only when properly operating the instrument using the manufacturer's instructions and procedures described in Chapter 7 of the HUD Guidelines.

**XRF CALIBRATION CHECK:**

The calibration of the XRF instrument should be checked using the paint film nearest 1.0 mg/cm<sup>2</sup> in the NIST Standard Reference Material (SRM) used (e.g., for NIST SRM 2579, use the 1.02 mg/cm<sup>2</sup> film).

If the average (rounded to 1 decimal place) of three readings is outside the acceptable calibration check range, follow the manufacturer's instructions to bring the instrument into control before XRF testing proceeds.

**SUBSTRATE CORRECTION VALUE COMPUTATION:**

Chapter 7 of the HUD Guidelines provides guidance on correcting XRF results for substrate bias. Supplemental guidance for using the paint film nearest 1.0 mg/cm<sup>2</sup> for substrate correction is provided:

XRF results are corrected for substrate bias by subtracting from each XRF result a correction value determined separately in each house for single-family housing or in each development for multifamily housing, for each substrate. The correction value is an average of XRF readings taken over the NIST SRM paint film nearest to 1.0 mg/cm<sup>2</sup> at test locations that have been scraped bare of their paint covering. Compute the correction values as follows:

Using the same XRF instrument, take three readings on a bare substrate area covered with the NIST SRM paint film nearest 1 mg/cm<sup>2</sup>. Repeat this procedure by taking three more readings on a second bare substrate area of the same substrate covered with the NIST SRM.

Compute the correction value for each substrate type where XRF readings indicate substrate correction is needed by computing the average of all six readings as shown below.

For each substrate type (the 1.02 mg/cm<sup>2</sup> NIST SRM is shown in this example; use the actual lead loading of the NIST SRM used for substrate correction):

$$\text{Correction value} = (1\text{st} + 2\text{nd} + 3\text{rd} + 4\text{th} + 5\text{th} + 6\text{th Reading}) / 6 - 1.02 \text{ mg/cm}^2$$

Repeat this procedure for each substrate requiring substrate correction in the house or housing development.

**EVALUATING THE QUALITY OF XRF TESTING:**

Randomly select ten testing combinations for retesting from each house or from two randomly selected units in multifamily housing.

Conduct XRF re-testing at the ten testing combinations selected for retesting.

Determine if the XRF testing in the units or house passed or failed the test by applying the steps below.

Compute the Retest Tolerance Limit by the following steps:

Determine XRF results for the original and retest XRF readings. Do not correct the original or retest results for substrate bias. In single-family and multi-family housing, a result is defined as a single reading. Therefore, there will be ten original and ten retest XRF results for each house or for the two selected units.

Calculate the average of the original XRF result and the retest XRF result for each testing combination.

Square the average for each testing combination.

Add the ten squared averages together. Call this quantity C.

Multiply the number C by 0.0072. Call this quantity D.

Add the number 0.032 to D. Call this quantity E.

Take the square root of E. Call this quantity F.

Multiply F by 1.645. The result is the Retest Tolerance Limit.

Compute the average of all ten original XRF readings.

Compute the average of all ten re-test XRF readings.

Find the absolute difference of the two averages.

If the difference is less than the Retest Tolerance Limit, the inspection has passed the retest. If the difference of the overall averages equals or exceeds the Retest Tolerance Limit, this procedure should be repeated with ten new testing combinations. If the difference of the overall averages is equal to or greater than the Retest Tolerance Limit a second time, then the inspection should be considered deficient.

Use of this procedure is estimated to produce a spurious result approximately 1% of the time. That is, results of this procedure will call for further examination when no examination is warranted in approximately 1 out of 100 dwelling units tested.

**TESTING TIMES:**

For the variable-time inspection paint test mode, the instrument continues to read until it has determined whether the result is positive or negative (with respect to the 1.0 mg/cm<sup>2</sup> Federal standard), with 95% confidence. The following table provides testing time information for this testing mode.

Testing Times Using Variable Reading Time Inspection Mode (Seconds)						
Substrate	All Data			Median for laboratory-measured lead levels (mg/cm <sup>2</sup> )		
	25 <sup>th</sup> Percentile	Median	75 <sup>th</sup> Percentile	Pb < 0.25	0.25 ≤ Pb < 1.0	1.0 ≤ Pb
Wood, Drywall	2.1	2.3	5.4	2.2	5.4	2.2
Metal	2.6	3.2	5.3	2.7	5.1	5.1
Brick, Concrete, Plaster	3.1	4.0	5.7	3.2	4.0	5.9

**CLASSIFICATION OF RESULTS:**

When an inconclusive range is specified on the *Performance Characteristic Sheet*, XRF results are classified as positive if they are greater than the upper boundary of the inconclusive range, negative if they are less than the lower boundary of the inconclusive range, or inconclusive if in between. The inconclusive range includes both its upper and lower bounds. If the instrument reads "> x mg/cm<sup>2</sup>", the value "x" should be used for classification purposes, ignoring the ">". For example, a reading reported as ">1.0 mg/cm<sup>2</sup>" is classified as 1.0 mg/cm<sup>2</sup>, or inconclusive. When the inconclusive range reported in this PCS is used to classify the readings obtained in the EPA/HUD evaluation, the following False Positive, False Negative and Inconclusive rates are obtained:

- FALSE POSITIVE RATE: 2.5% (2/80)
- FALSE NEGATIVE RATE: 1.9% (4/212)
- INCONCLUSIVE RATE: 16.4% (48/212)

**DOCUMENTATION:**

A document titled *Methodology for XRF Performance Characteristic Sheets* provides an explanation of the statistical methodology used to construct the data in the sheets, and provides empirical results from using the recommended inconclusive ranges or thresholds for specific XRF instruments. For a copy of this document call the National Lead Information Center Clearinghouse at 1-800-424-LEAD.

This XRF Performance Characteristic Sheet was developed by the Midwest Research Institute (MRI) and QuanTech, Inc., under a contract between MRI and the XRF manufacturer. XRF Performance Characteristic Sheets were originally developed by the MRI under a grant from the U. S. Environmental Protection Agency and the U.S. Department of Housing and Urban Development. HUD has determined that the information provided here is acceptable when used as guidance in conjunction with Chapter 7, Lead-Based Paint Inspection, of HUD's *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing*.

## **D. KPH CERTIFICATION**

# Company Certificate

This certifies that

**KPH ENVIRONMENTAL CORPORATION**

1237 W BRUCE ST  
MILWAUKEE WI 53204-1218

is certified under ch. DHS 159, Wis.Adm.Code as a

**Asbestos Company -- Primary**

Certificate Issue Date: 07/16/2020  
Expiration Date: 09/10/2022, 12:01 a.m.  
Certification #: CAP-1432180

Wisconsin Department of Health Services  
Division of Public Health  
Bureau of Environmental and Occupational Health  
Asbestos & Lead Section  
PO Box 2659  
Madison WI 53701-2659  
Phone: (608) 261-6876



*Miriam Hasan*  
Miriam Hasan, Unit Supervisor

# Company Certificate

This certifies that

**KPH ENVIRONMENTAL CORPORATION**

1237 W BRUCE ST  
MILWAUKEE WI 53204-1218

is certified under ch. DHS 163, Wis.Adm.Code as a

**Lead Company**

Certificate Issue Date: 02/01/2021  
Expiration Date: 04/28/2023, 12:01 a.m.  
Certification #: DHS-1432180

Wisconsin Department of Health Services  
Division of Public Health  
Bureau of Environmental and Occupational Health  
Asbestos & Lead Section  
PO Box 2659  
Madison WI 53701-2659  
Phone: (608) 261-6876



*Miriam Hasan*  
Miriam Hasan, Unit Supervisor



Tony Evers  
Governor

Andrea Palm  
Secretary



State of Wisconsin  
Department of Health Services

DIVISION OF PUBLIC HEALTH

1 WEST WILSON STREET

P O BOX 2659  
MADISON WI 53701-2659

Telephone: 608 266-1251  
FAX: 608 267-2832  
TTY: 888-701-1253  
dhs.wisconsin.gov

November 6, 2020

DEAN T JACOBSEN  
W131S6781 KIPLING DR  
MUSKEGO WI 53150-3401

ID# AII-14370

**Congratulations!** Your new Wisconsin certification card is enclosed. Please look it over and call us right away if anything on your blue card is wrong.

**Follow Wisconsin law by making sure that you:**

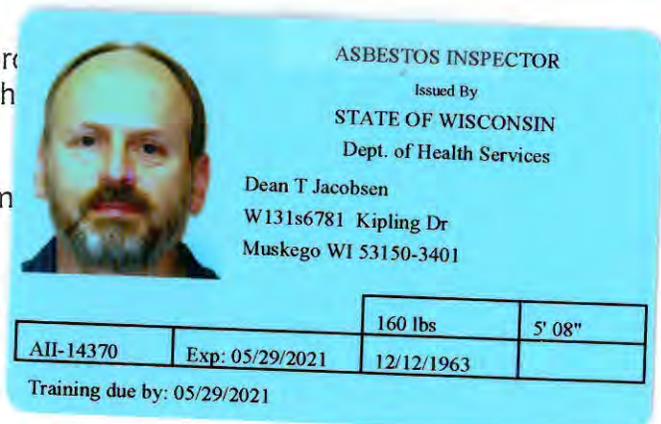
1. Have your blue card with you when doing regulated work.
2. Work safely using the methods you learned in training.
3. Keep your mailing address up to date. We mail a reminder when it's time to renew your blue card. Update your address by emailing [DHSAsbestosLead@wi.gov](mailto:DHSAsbestosLead@wi.gov), by using our Lead and Asbestos Online Certification website, [www.dhs.wisconsin.gov/waldo](http://www.dhs.wisconsin.gov/waldo), or by mailing a note to:

Lead and Asbestos Section  
1 W. Wilson St., Room 137  
P.O. Box 2659  
Madison WI 53701-2659

4. Take refresher training well before the "Training due by" date printed on your blue card.
  - o Asbestos-certified individuals must refresh in Wisconsin no earlier than **90 days** before the due date to keep the same expiration date.  
Find asbestos training providers at [www.dhs.wisconsin.gov/asbestos](http://www.dhs.wisconsin.gov/asbestos).
  - o Lead-certified individuals can refresh up to **1 year** before the due date.  
Find lead training providers at [www.dhs.wisconsin.gov/lead](http://www.dhs.wisconsin.gov/lead).
5. Apply to renew your card at least **1 month** before the "Exp." date on your blue card.
6. Be associated with a certified company when doing regulated work in Wisconsin. If you work for yourself, you must certify your own company under a name of your choosing. Otherwise, you must be employed by a certified company. Get a company application form at [www.dhs.wisconsin.gov/lead](http://www.dhs.wisconsin.gov/lead) or [www.dhs.wisconsin.gov/asbestos](http://www.dhs.wisconsin.gov/asbestos).
7. **Don't** conduct regulated work after your blue card expires. This could result in an enforcement action.

By getting certified and working safely, you pro... professional responsibility. Contact us if you h... below and on the back of your blue card.

The Lead and Asbestos Certification Program  
(608) 261-6876  
[DHSAsbestosLead@wi.gov](mailto:DHSAsbestosLead@wi.gov)  
[www.dhs.wisconsin.gov/asbestos](http://www.dhs.wisconsin.gov/asbestos)  
[www.dhs.wisconsin.gov/lead](http://www.dhs.wisconsin.gov/lead)



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Tony Evers  
Governor

Andrea Palm  
Secretary



State of Wisconsin  
Department of Health Services

DIVISION OF PUBLIC HEALTH

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Telephone: 608 266-1251  
FAX: 608 267-2832  
TTY: 888-701-1253  
dhs.wisconsin.gov

November 25, 2020

DEAN T JACOBSEN  
W131S6781 KIPLING DR  
MUSKEGO WI 53150-3401

ID# LRA-14370

**Congratulations!** Your new Wisconsin certification card is enclosed. Please look it over and call us right away if anything on your blue card is wrong.

**Follow Wisconsin law by making sure that you:**

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3. Keep your mailing address up to date. We mail a reminder when it's time to renew your blue card. Update your address by emailing [DHSAsbestosLead@wi.gov](mailto:DHSAsbestosLead@wi.gov), by using our Lead and Asbestos Online Certification website, [www.dhs.wisconsin.gov/waldo](http://www.dhs.wisconsin.gov/waldo), or by mailing a note to:

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Madison WI 53701-2659

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6. Be associated with a certified company when doing regulated work in Wisconsin. If you work for yourself, you must certify your own company under a name of your choosing. Otherwise, you must be employed by a certified company. Get a company application form at [www.dhs.wisconsin.gov/lead](http://www.dhs.wisconsin.gov/lead) or [www.dhs.wisconsin.gov/asbestos](http://www.dhs.wisconsin.gov/asbestos).
7. **Don't** conduct regulated work after your blue card expires. This could result in an enforcement action.

By getting certified and working safely, you protect your own and others' health and professional responsibility. Contact us if you have any questions listed below and on the back of your blue card.

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[www.dhs.wisconsin.gov/lead](http://www.dhs.wisconsin.gov/lead)

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LEAD(PB) RISK ASSESSOR  
Issued By  
STATE OF WISCONSIN  
Dept. of Health Services

Dean T Jacobsen  
W131s6781 Kipling Dr  
Muskego WI 53150-3401

LRA-14370	Exp: 11/19/2022	160 lbs	5' 08"
Training due by: 11/19/2022		12/12/1963	



**PRE-DEMOLITION INSPECTION REPORT**

**Job Site:**

**Office Building  
212 South Baldwin Street  
Madison, Wisconsin**

**For:**

**City of Madison Parks Division  
City-County Building, Suite 104  
210 Martin Luther King, Jr. Blvd.  
Madison, WI 53703-3342**

**KPH Project # 21-400-42.212**

A handwritten signature in black ink, appearing to read "Dean Jacobsen", written over a horizontal line.

**Dean Jacobsen  
Asbestos Inspector No. AII – 14370**

**Prepared by:**

**KPH Environmental  
1237 West Bruce Street  
Milwaukee, Wisconsin 53204**

**March 2021**

**KPH ENVIRONMENTAL**

**WISCONSIN** ADDRESS: 1237 West Bruce Street, Milwaukee, WI 53204

**MICHIGAN** ADDRESS: 3737 Lake Eastbrook, Suite 203, Grand Rapids, MI 49503

WEB [kphbuilds.com](http://kphbuilds.com)

PHONE: 414.647.1530

PHONE: 616.920.0574

FAX: 414.647.1540

FAX: 414.647.1540

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212 South Baldwin Street  
Madison, Wisconsin

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## **EXECUTIVE SUMMARY**

KPH Environmental Corp (KPH), was retained by the City of Madison Parks Division to conduct an inspection of the office building at 212 South Baldwin Street, Madison, Wisconsin, prior to demolition. The one story office building is of stucco, wood, concrete, and block construction.

KPH conducted a visual inspection for asbestos, potential lead painted surfaces, and universal wastes. KPH collected asbestos bulk samples and for laboratory analysis. An X-ray fluorescence machine (XRF) was used to inspect for potential lead coated surfaces.

Asbestos was detected above the regulatory level of 1% in transite wall panels in the west bathroom under ceramic wall tiles, floor tile in the west entry, caulk around the exterior portions of the east windows, and ceiling tile dot mastic in the west ante room. The transite, window caulk, and the dot mastic are category II non-friable asbestos containing materials (ACM) as defined by NR 447 of the Wisconsin Administrative Code. The floor tile is a category I non-friable ACM. These materials may become regulated asbestos containing material (RACM) as defined in NR 447 due to the forces expected to act on the materials in the course of demolition operations. Abatement prior to demolition is recommended.

Asbestos was detected at less than 1% in joint compound on drywall in the west bathroom. This material is not an ACM and does not need asbestos abatement prior to demolition. Asbestos was not detected in any other material that was sampled. Asbestos results are in Section II of this report.

Paint sample testing revealed that lead based paint was detected on the following exterior surfaces: window casings and window wells, and east window sashes. The interior component that has lead based paint is the west restroom chair rail. Other exterior and interior surfaces tested do not have lead based coatings. Demolition materials with lead based coatings may be disposed of at a construction/demolition or solid waste landfill. Under Wisconsin waste regulations these materials may not be buried on site or used as fill materials. Results are in Section III of this report.

Universal wastes and other hazardous material were also observed inside the building, and are summarized in Section IV of this report.

## **I. INTRODUCTION**

KPH Environmental Corp., (KPH) was retained by the City of Madison Parks Division to conduct a pre-demolition inspection of the office building at 212 South Baldwin Street, Madison, Wisconsin, for the following:

- Suspect asbestos containing materials
- Suspect lead painted or coated surfaces
- Universal wastes such as CFCs in appliances, mercury in light bulbs, and PCB containing light fixture ballasts

Mike Sturm, of the City of Madison Parks Division, authorized KPH to conduct an inspection and to analyze samples collected during the inspection. The inspection of the building at 212 South Baldwin Street, Madison, Wisconsin, was conducted on February 22 and March 8, 2021, to cover the items listed above. The inspection was conducted by Dean Jacobsen, Wisconsin Asbestos Inspector License No. AII-14370, and Wisconsin Lead Risk Assessor License No. LRA-14370. Additional information on the inspection and results are contained in the following sections.

## **II. ASEBSTOS INSPECTION**

### **A. Methods**

This asbestos inspection included a visual determination as to the extent of visible and accessible suspect materials in the buildings, sampling and documentation of any of these suspect materials, and quantification of observable and accessible positive materials existing within the spaces inspected.

An asbestos inspection involves inspecting all or part of a building (depending on the project scope) and identifying suspect asbestos containing materials. After suspect materials are identified, the inspector divides the building into homogeneous areas. Homogeneous areas contain materials that are alike in color, composition, age of installation, and any other aspect. If any differences are identified during the inspection, a separate homogeneous area is established.

The inspector then collects bulk samples based upon the type of material and quantity of material in the homogeneous area. Bulk samples were placed into resealable containers and sent to a laboratory certified under the National Voluntary Laboratory Accreditation program (NVLAP) for analysis. Destructive sampling was not conducted where it would have adversely impacted suspect asbestos containing materials, to avoid building contamination.

The results of the survey integrated with the Polarized Light Microscopy with Dispersion Staining (PLM/DS) analysis of bulk samples taken are outlined in this document.

### **B. List of Suspect Asbestos Containing Materials**

The following types of suspect materials were observed and inspected to determine if asbestos containing materials were present in the buildings as required by US EPA NESHAP regulation 40 CFR 61 Subpart M, and NR 447 of the Wisconsin Administrative Code:

- Drywall/joint compound
- Laminate flooring
- Ceramic tile
- Window glazing compound
- Texture
- Caulk
- Transite panel
- Plaster

- Drywall
- Ceiling tile
- Linoleum
- Flue packing
- Stucco
- Brick/mortar
- Asphalt siding
- Asphalt shingle roofing
- Concrete block/mortar
- Miscellaneous mastics

A listing of specific homogeneous materials and homogeneous material codes are in the Samples and Results section following the results table.

### C. The Laboratory

Samples were analyzed at SanAir Laboratories Inc., for total asbestos content by volume using EPA Method 600/M4/82/020, 600/R-93/116. Analysis is performed by using the bulk samples for visual observation and slide preparation(s) for microscopical examination and identification. The slides are analyzed for asbestos (chrysotile, amosite, crocidolite, anthophyllite, and actinolite/ tremolite), fibrous non asbestos constituents (mineral wool, paper, etc.), and nonfibrous constituents. Asbestos is identified by refractive indices (obtained by using dispersion staining), morphology, color, pleochroism, birefringence, extinction characteristics, and signs of elongation. The same characteristics are used to identify the non asbestos constituents.

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk sample components. The results are valid only for the item tested.

**Current regulations state asbestos containing materials (ACM) means material containing more than 1% asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy.** A point count analysis was performed for sample layers that were near 1% asbestos by the PLM method to better define the asbestos content. Bold values indicate that the material contains more than 1% asbestos. Negative results indicate that no asbestos was detected.

### D. Samples and Results

The following are the laboratory results. The laboratory report is in Appendix A.

Sample #	Location and Description	Results	Homogeneous Code
1A-212a	1 <sup>st</sup> floor – south office – southeast wall – drywall	Negative	MDW
1A-212b	1 <sup>st</sup> floor – south office – southeast wall – joint compound	Negative	MDW
1B-212a	1 <sup>st</sup> floor – northeast office – northwest wall – drywall	Negative	MDW
1B-212b	1 <sup>st</sup> floor – northeast office – northwest wall – joint compound	Negative	MDW
1C-212a	1 <sup>st</sup> floor – northwest office – northwest wall – drywall	Negative	MDW

Sample #	Location and Description	Results	Homogeneous Code
1C-212b	1 <sup>st</sup> floor – northwest office – northwest wall – joint compound	Negative	MDW
2A-212	1 <sup>st</sup> floor – south office – laminate flooring	Negative	MLF
2B-212	1 <sup>st</sup> floor – northeast office – laminate flooring	Negative	MLF
2C-212	1 <sup>st</sup> floor – north center office – laminate flooring	Negative	MLF
3A-212a	1 <sup>st</sup> floor – east entry floor – gray ceramic tile	Negative	MCTMy
3A-212b	1 <sup>st</sup> floor – east entry floor – grout	Negative	MCTMy
3A-212c	1 <sup>st</sup> floor – east entry floor – under gray ceramic tile – mortar	Negative	MCTMy
4A-212	1 <sup>st</sup> floor – northeast office – on east window – glazing compound	Negative	MPG
5A-212	1 <sup>st</sup> floor – south office – on ceiling – texture	Negative	STX
5B-212	1 <sup>st</sup> floor – south office – on ceiling – texture	Negative	STX
5C-212	1 <sup>st</sup> floor – south office – on ceiling – texture	Negative	STX
6A-212a	1 <sup>st</sup> floor – northwest office floor – brown ceramic tile	Negative	MCTMn
6A-212b	1 <sup>st</sup> floor – northwest office floor – grout	Negative	MCTMn
6A-212c	1 <sup>st</sup> floor – northwest office floor – under brown ceramic tile – mortar	Negative	MCTMn
7A-212a	1 <sup>st</sup> floor – east bathroom – on east wall – beige ceramic tile	Negative	MCTMe
7A-212b	1 <sup>st</sup> floor – east bathroom – on east wall – grout	Negative	MCTMe
8A-212	1 <sup>st</sup> floor – east bathroom – on glass block window – clear caulk	Negative	MCLKc
9A-212a	1 <sup>st</sup> floor – west entry top layer – cream and tan linoleum	Negative	MFLct
9A-212b	1 <sup>st</sup> floor – west entry 2 <sup>nd</sup> layer – gray linoleum	Negative	MFLy
9A-212c	1 <sup>st</sup> floor – west entry 3 <sup>rd</sup> layer – 9” gray floor tile	Positive 2% Chrysotile	MF9y
9A-212c	Point Count Result	Positive 2.7% Chrysotile	MF9y
9A-212d	1 <sup>st</sup> floor – west entry 3 <sup>rd</sup> layer – under 9” gray floor tile – black mastic	Negative	MF9y
10A-212	1 <sup>st</sup> floor – west entry – 1’ x 1’ pinholed ceiling tile	Negative	MSCT11P
11A-212a	1 <sup>st</sup> floor – west bathroom floor – blue and white ceramic tile	Negative	MCTMbw
11A-212b	1 <sup>st</sup> floor – west bathroom floor – grout	Negative	MCTMbw
11A-212c	1 <sup>st</sup> floor – west bathroom floor – under blue and white ceramic tile – tan mastic	Negative	MCTMbw
12A-212a	1 <sup>st</sup> floor – west bathroom – on walls – blue ceramic tile	Negative	MCTMb
12A-212b	1 <sup>st</sup> floor – west bathroom – on walls – grout	Negative	MCTMb
12A-212c	1 <sup>st</sup> floor – west bathroom – on walls – under blue ceramic tile – tan mastic	Negative	MCTMb
13A-212	1 <sup>st</sup> floor – west bathroom – on walls under blue ceramic tile – transite panels	Positive 20% Chrysotile	MTP
14A-212a	1 <sup>st</sup> floor – west bathroom – north wall – plaster base coat	Negative	SPI
14A-212b	1 <sup>st</sup> floor – west bathroom – north wall – plaster skim coat	Negative	SPI
15A-212a	1 <sup>st</sup> floor – west bathroom – east wall – drywall #2	Negative	MDW2
15A-212b	1 <sup>st</sup> floor – west bathroom – east wall – joint compound #2	Trace <1% Chrysotile	MDW2
15A-212b	Point Count Result	Trace 0.25% Chrysotile	MDW2
16A-212	1 <sup>st</sup> floor – west bathroom – 2’ x 4’ ceiling tile	Negative	MSCT24
17A-212a	1 <sup>st</sup> floor – west ante room – cream and brown linoleum	Negative	MFLcn

Sample #	Location and Description	Results	Homogeneous Code
17A-212b	1 <sup>st</sup> floor – west ante room – under cream and brown linoleum – yellow mastic	Negative	MFLcn
18A-212a	1 <sup>st</sup> floor – west ante room – 1' x 1' pinholed ceiling tile #2	Negative	MSCT11P2
<b>18A-212b</b>	<b>1<sup>st</sup> floor – west ante room – under 1' x 1' pinholed ceiling tile #2 – brown mastic</b>	<b>Positive 4% Chrysotile</b>	<b>MSCT11P2</b>
19A-212	1 <sup>st</sup> floor – west ante room – on chimney in closet – flue packing	Negative	TFP
20A-212a	Exterior – west wall – stucco patch layer	Negative	STC
20A-212b	Exterior – west wall – stucco	Negative	STC
20B-212	Exterior – northwest wall – stucco	Negative	STC
20C-212	Exterior – north center wall – stucco	Negative	STC
21A-212	Exterior – west chimney – brick/mortar	Negative	MBR
22A-212a	Exterior – southwest wall – asphalt shingle siding	Negative	MSS
22A-212b	Exterior – southwest wall – fiber layer	Negative	MSS
23A-212a	Roof top layer – asphalt shingle	Negative	MRS
23A-212b	Roof 2 <sup>nd</sup> layer – tar paper	Negative	MPT
24A-212	Exterior – east wall – concrete block/mortar	Negative	MCB
<b>25A-212</b>	<b>Exterior – around southeast window – beige caulk</b>	<b>Positive 2% Chrysotile</b>	<b>MCLKe</b>
<b>25A-212</b>	<b>Point Count Result</b>	<b>Positive 1.25% Chrysotile</b>	<b>MCLKe</b>

#### Homogeneous Material Codes

STX	Texture
SPI	Plaster
STC	Stucco
MDW	Drywall/Joint Compound
MDW2	Drywall
MLF	Laminate Flooring
MCTMy	Gray Ceramic Tile
MCTMn	Brown Ceramic Tile
MCTMe	Beige Ceramic Tile
MCTMb	Blue Ceramic Tile
MCTMbw	Blue & White Ceramic Tile
MPG	Window Glazing Compound
MCLKc	Clear Caulk
MCLKe	Beige Caulk
MFLct	Cream & Tan Linoleum
MFLy	Gray Linoleum
MFLcn	Cream & Brown Linoleum
MF9y	9" gray floor tile
MSCT11P	1' x 1' Pinholed Ceiling Tile
MSCT11P2	1' x 1' Pinholed Ceiling Tile #2
MSCT24	2' x 4' Ceiling Tile
MTP	Transite Panel
MBR	Brick
MSS	Asphalt Shingle Siding
MRS	Asphalt Shingle Roofing
MPT	Tar paper
MCB	Concrete Block

## E. Asbestos Locations and Quantities

Four (4) of the materials sampled contain greater than 1% asbestos and are asbestos containing materials (ACM).

Material	Homogeneous Code	Location	Approximate Quantity	Type
Transite Panel	MTP	West Bathroom Walls Under Ceramic Tile	80 SF	Category II Non-Friable
Brown Dot Mastic Under Ceiling Tile	MSCT11P2	West Ante Room & Closet Under 1' x 1' Ceiling Tile	30 SF	Category II Non-Friable
9" Gray Floor Tile	MF9y	West Ante Room & Closet Under Linoleum	30 SF	Category I Non-Friable
Beige Caulk	MCLKe	Exterior Around East Windows	4 Windows	Category II Non-Friable

The transite panels, beige caulk, and the brown dot mastic are category II non-friable ACM. The floor tile is a category I non-friable ACM. These materials were in non-friable condition at the time of the inspection. These materials have a probability of becoming crumbled, pulverized or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations and may become regulated asbestos containing material (RACM) as defined in NR 447.

NR 447.08 requires the building owner or operator to have the RACM removed from a facility being renovated or demolished before any activity begins that would break up, dislodge or similarly disturb the material. DHS 159 of the Wisconsin Administrative Code requires that only a certified asbestos company with certified asbestos abatement personnel may remove ACMs from a building.

NR 447 requires the building owner or operator to notify the Wisconsin Department of Natural Resources at least 10 business days prior to the start of any demolition activities, including abatement, by sending in Form 4500-113 or by online notification.

One (1) of the materials sampled contains less than 1% asbestos as verified by point count analysis and is not an ACM by definition in 40 CFR 61 Subpart M and NR 447:

Material	Homogeneous Code	Location	Approximate Quantity	Material Type
Joint Compound #2	MDW2	West Bathroom East & South Walls Ante Room North Wall	10 SF	Friable

**Note#1:** If additional materials are discovered during the demolition that are not listed above they are to be assumed to be asbestos containing.

**Note#2:** A copy of this report should be transmitted to the demolition contractor.

### III. LEAD PAINT INSPECTION

#### A. Methods

A lead paint inspection and sampling are recommended for building materials that may contain surfaces painted before 1978. The inspection determines if lead is in the building paint, the location(s) of lead containing surfaces, and the amount of lead in the paint. If the surfaces will be disturbed or demolished, workers can then prepare proper safety measures to reduce exposure to lead containing dust as required by the Occupational Safety and Health Administration. In addition, the Wisconsin Department of Natural Resources requires determination of lead based paint prior to disposal or recycling of building materials (Concrete Recycling and Disposal Fact Sheet WA-605 2017).

The inspection at the office building at 212 South Baldwin Street, Madison, Wisconsin, took place on March 8, 2021. The inspection noted the location, substrate, and color of painted surfaces. An Innov X Model  $\alpha$ -6500 XRF was used to analyze each painted or coated surface. The Certificate of Analysis and Performance Characteristic Sheet are included in Appendix C. The XRF was calibrated at the start and end of each day using standard reference paint films (blank film of  $<0.001$  mg/cm<sup>2</sup> and a standard red lead film of  $1.04$  mg/cm<sup>2</sup> +/-  $0.064$ ) supplied with the instrument. The Performance Characteristic Sheet states that substrate correction is not needed with this model XRF.

Where inconclusive XRF readings were received, representative paint chip samples were collected from those surfaces. The paint chip samples were analyzed at Schneider Laboratories Global, of Richmond, Virginia, for total lead content using EPA Method 3050B/7000B.

#### B. Component Testing Results

Chapter 254 of the Wisconsin State Statutes defines lead-based paint as having a surface concentration of lead that is equal to greater than  $1.0$  mg/cm<sup>2</sup> for an XRF reading, or greater than 0.5% of lead per weight of a paint chip sample.

**The results of the analysis was classified as follows:**

**Positive:** Any result at or above the Chapter 254 Standard of  $1.0$  mg/cm<sup>2</sup> or 0.5% lead.

**Negative:** Any result below the Chapter 254 Standard of  $1.0$  mg/cm<sup>2</sup> or 0.5% lead.

#### **Interior: 212 South Baldwin Street, Madison, Wisconsin**

- Painted and coated plaster, drywall, ceramic, and wood were observed on the interior surfaces. Lead based paint was only detected on the chair rail in the west restroom. Other painted and coated surfaces sampled did not have lead based paint.

#### **Exterior: 212 South Baldwin Street, Madison, Wisconsin**

- Painted block, stucco, and asphalt wall walls were observed on the exterior, along with painted doors, windows, and fascia. Lead based paint was detected on the east window

sashes, and exterior window casings and window wells. Lead based paint was not detected on other exterior surfaces that were tested.

The following are the XRF results:

**Date: 3/8/21 XRF Readings**

Paint Testing Results						
Sample	Room	Component & Feature	Substrate	Color	PbC (mg/cm <sup>2</sup> )	Result
1	Exterior	East Wall	Block	Gray	0.06	Negative
2	Exterior	South Wall	Block	Gray	0.11	Negative
3	Exterior	West Wall	Asphalt	Gray	0.08	Negative
4	Exterior	North Wall	Stucco	Gray	0.07	Negative
5	Exterior	East Door	Wood	White	0.0	Negative
6	Exterior	East Door Casing	Wood	White	0.0	Negative
7	<b>Exterior</b>	<b>East Window Sash</b>	<b>Wood</b>	<b>White</b>	<b>5.0</b>	<b>Positive</b>
8	Exterior	East Storm Window	Metal	White	0.0	Negative
9	<b>Exterior</b>	<b>North Window Casing</b>	<b>Wood</b>	<b>White</b>	<b>5.0</b>	<b>Positive</b>
10	Exterior	West Door	Wood	White	0.0	Negative
11	Exterior	West Door Casing	Wood	White	0.09	Negative
12	Exterior	Fascia	Metal	White	0.0	Negative
13	Exterior	Crown Molding	Wood	White	0.0	Negative
14	South Office	East Wall	Drywall	Gray	0.0	Negative
15	South Office	South Wall	Drywall	Gray	0.0	Negative
16	South Office	West Wall	Drywall	Gray	0.0	Negative
17	South Office	North Wall	Drywall	Gray	0.0	Negative
18	South Office	Ceiling	Drywall	Gray	0.0	Negative
19	South Office	East Door	Wood	Varnish	0.0	Negative
20	South Office	East Door Casing	Wood	Varnish	0.0	Negative
21	South Office	South Window	Wood	Varnish	0.0	Negative
22	South Office	South Window Casing	Wood	Varnish	0.0	Negative
23	Northeast Office	East Wall	Drywall	White	0.0	Negative
24	Northeast Office	South Wall	Drywall	White	0.0	Negative
25	Northeast Office	West Wall	Drywall	White	0.0	Negative
26	Northeast Office	North Wall	Drywall	White	0.0	Negative
27	Northeast Office	Ceiling	Drywall	White	0.0	Negative
28	Northeast Office	East Window	Wood	Varnish	0.06	Negative
29	Northeast Office	East Window Sill	Wood	Varnish	0.0	Negative
30	Northeast Office	South Door	Wood	Varnish	0.0	Negative
31	Northeast Office	South Door Casing	Wood	Varnish	0.0	Negative
32	North Center Office	East Wall	Drywall	Gray	0.0	Negative
33	North Center Office	South Wall	Drywall	Brown	0.0	Negative
34	North Center Office	West Wall	Drywall	Gray	0.0	Negative
35	North Center Office	North Wall	Drywall	Gray	0.0	Negative
36	North Center Office	Ceiling	Drywall	White	0.0	Negative
37	North Center Office	North Window Sash	Wood	Varnish	0.0	Negative
38	<b>North Center Office</b>	<b>North Window Well</b>	<b>Wood</b>	<b>White</b>	<b>2.55</b>	<b>Positive</b>
39	North Center Office	East Door	Wood	Varnish	0.0	Negative
40	North Center Office	East Door Casing	Wood	Varnish	0.0	Negative
41	Northwest Office/ Restroom	East Wall	Drywall	Gray	0.0	Negative
42	Northwest Office/ Restroom	South Wall	Drywall	Gray	0.0	Negative

Paint Testing Results						
Sample	Room	Component & Feature	Substrate	Color	PbC (mg/cm <sup>2</sup> )	Result
43	Northwest Office/ Restroom	West Wall	Drywall	Gray	0.0	Negative
44	Northwest Office/ Restroom	North Wall	Drywall	Yellow	0.0	Negative
45	Northwest Office/ Restroom	Ceiling	Drywall	White	0.0	Negative
46	Northwest Office/ Restroom	Floor	Ceramic	Brown	0.0	Negative
47	Northwest Office/ Restroom	North Door	Wood	Varnish	0.0	Negative
48	Northwest Office/ Restroom	North Door Casing	Wood	Varnish	0.0	Negative
49	Northwest Office/ Restroom	West Wall	Ceramic	Beige	0.0	Negative
50	West Entry	North Wall	Wood	Varnish	0.0	Negative
51	West Entry	East Wall	Wood	Varnish	0.02	Negative
52	West Entry	South Wall	Wood	Varnish	0.56	Negative
53	West Entry	West Door	Wood	Gray	0.0	Negative
54	West Entry	West Door Frame	Metal	Gray	0.06	Negative
55	West Entry	North Door	Wood	Varnish	0.02	Negative
56	West Anteroom	North Wall	Drywall	White	0.28	Negative
57	West Anteroom	Base Molding	Wood	White	0.09	Negative
58	West Anteroom	West Wall	Plaster	White	0.35	Negative
59	West Restroom	East Wall	Drywall	White	0.0	Negative
60	West Restroom	South Wall	Drywall	White	0.15	Negative
61	West Restroom	West Wall	Plaster	White	0.30	Negative
62	West Restroom	North Wall	Plaster	White	0.30	Negative
<b>63</b>	<b>West Restroom</b>	<b>Chair Rail</b>	<b>Wood</b>	<b>White</b>	<b>1.0</b>	<b>Positive</b>
64	West Restroom	Wall Tile	Ceramic	Blue	0.03	Negative
65	West Restroom	Window Sash	Wood	White	0.32	Negative
66	West Restroom	Window Casing	Wood	White	0.51	Negative
67	West Restroom	Floor	Ceramic	Blue	0.01	Negative
68	West Restroom	Pipe	Metal	White	0.23	Negative

Where lead in paint is known or suspected, the owner and contractors must follow the OSHA lead in construction regulation 29 CFR 1926.62. This applies if any amount of lead is present, not just for lead based paint (more than 0.5% Lead). Workers must take care to limit the amount of lead dust generated and follow OSHA safety requirements for lead exposure. The regulation requires:

- Personal exposure monitoring,
- Use of respiratory protection and protective clothing,
- Hygiene areas,
- Engineering controls to control lead dust,
- Worker training

See the OSHA Lead in Construction booklet (OSHA 3142-09R 2003) for guidance and <https://www.osha.gov/SLTC/lead/index.html> for regulatory requirements.

In addition, the Wisconsin Department of Natural Resources requires determination of lead based paint prior to disposal or recycling of building materials (Concrete Recycling and Disposal Fact Sheet WA-605 2004). According to the Concrete Recycling and Disposal Fact Sheet, building materials from remodeling or demolition debris that contain lead based paint are considered a construction waste or solid waste, unless an exemption is obtained from the DNR (Form 4400-274).

#### IV. UNIVERSAL WASTES

Universal waste and other hazardous materials include items that contain or may contain materials such as mercury, polychlorinated biphenyls (PCB), refrigerants such as Freon and chlorofluorocarbons (CFC), chemicals, and fuels. The following universal wastes and other hazardous materials were identified in the building:

Material	Location	Approximate Quantity
Paint/Stain/Spray Foam	North Center Office	12 Gallons, 13 Spray Cans
Duct Sealer	North Center Office	2 Quarts
House Air Conditioner-CFC	Exterior West Side	1
Cleaners	West Ante Room Closet	3 Gallons
Fluorescent Light Bulbs-Mercury	Northwest Office	Exit Sign

No samples were collected. Universal wastes and other hazardous materials must be removed separately for proper disposal prior to demolition.

#### V. EXCLUSIONS

This report represents the condition of the building and the visible/accessible materials at the date and the times of the onsite inspection. Areas and materials that were hidden or not accessible are excluded, including areas within walls and floors and above ceilings. Not all areas within walls and ceilings were accessible, and these areas may contain suspect asbestos containing materials. Hidden materials or those materials that could not be accessed at the point of inspection, over and above those stated in the inspection report, are the responsibility of the building owner and the demolition contractor.

A limited lead inspection was conducted. The results are representative only of the specific locations that were inspected on the building. This report represents the condition of the buildings and the visible/accessible locations at the date and the time of the onsite inspection.

#### VI. LIMITATIONS

The care and skill given to our procedures insures the most reliable test results possible. The findings and conclusions of KPH represent our professional opinions extrapolated from limited data. Significant limited data is gathered during the course of the building inspection. No other warranty is expressed or implied. Prior to any abatement or renovation activities, it is

recommended that KPH be provided the opportunity to review such plans in order that the inspection and assessments contained herein are properly interpreted and implemented.

*This report and the information contained herein are prepared for the sole and exclusive use and possession of the City of Madison Parks Division. No other person or entity may rely on this report or any information contained herein. Any dissemination of the Report or any information contained herein is strictly prohibited without prior written authorization from KPH Environmental Corp*

## APPENDICES

## **A. ASBESTOS LABORATORY RESULTS**



SanAir ID Number  
21007934  
FINAL REPORT  
3/2/2021 5:48:16 PM

**Name:** KPH Environmental Corp.  
**Address:** 1237 West Bruce Steet  
Milwaukee, WI 53204  
**Phone:** 414-647-1530

**Project Number:** 21-400-042.212  
**P.O. Number:**  
**Project Name:** McPike Park  
**Collected Date:** Not Provided on COC  
**Received Date:** 2/23/2021 11:35:00 AM

Dear Dean Jacobsen,

We at SanAir would like to thank you for the work you recently submitted. The 33 sample(s) were received on Tuesday, February 23, 2021 via FedEx. The final report(s) is enclosed for the following sample(s): 1A-212, 1B-212, 1C-212, 2A-212, 2B-212, 2C-212, 3A-212, 4A-212, 5A-212, 5B-212, 5C-212, 6A-212, 7A-212, 8A-212, 9A-212, 10A-212, 11A-212, 12A-212, 13A-212, 14A-212, 15A-212, 16A-212, 17A-212, 18A-212, 19A-212, 20A-212, 20B-212, 20C-212, 21A-212, 22A-212, 23A-212, 24A-212, 25A-212.

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,

A handwritten signature in black ink that reads "Sandra Sobrino". The signature is written in a cursive, flowing style.

Sandra Sobrino  
Asbestos & Materials Laboratory Manager  
SanAir Technologies Laboratory

Final Report Includes:

- Cover Letter
- Analysis Pages
- Disclaimers and Additional Information

Sample conditions:

- 33 samples in Good condition.



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**Project Name:** McPike Park  
**Collected Date:** Not Provided on COC  
**Received Date:** 2/23/2021 11:35:00 AM

Analyst: King, Kristina | Pisula, Nicholas | Vaughan, Nathaniel

### Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic	Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
1A-212 / 21007934-001 , Drywall	White Non-Fibrous Homogeneous	5% Cellulose	95% Other	None Detected
1A-212 / 21007934-001 , Texture	White Non-Fibrous Homogeneous		100% Other	None Detected
1B-212 / 21007934-002 , Drywall	White Non-Fibrous Homogeneous	5% Cellulose	95% Other	None Detected
1B-212 / 21007934-002 , Texture	White Non-Fibrous Homogeneous		100% Other	None Detected
1C-212 / 21007934-003 , Drywall	White Non-Fibrous Homogeneous	5% Cellulose	95% Other	None Detected
1C-212 / 21007934-003 , Texture	White Non-Fibrous Homogeneous		100% Other	None Detected
2A-212 / 21007934-004	Brown Fibrous Homogeneous	95% Cellulose	5% Other	None Detected
2B-212 / 21007934-005	Brown Fibrous Homogeneous	95% Cellulose	5% Other	None Detected
2C-212 / 21007934-006	Brown Fibrous Homogeneous	95% Cellulose	5% Other	None Detected
3A-212 / 21007934-007 , Slate	Grey Non-Fibrous Homogeneous		100% Other	None Detected

Analyst: *K. King*

Approved Signatory: *Johnathan Wilson*

Analysis Date: 3/2/2021

Date: 3/2/2021



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Analyst: King, Kristina | Pisula, Nicholas | Vaughan, Nathaniel

Asbestos Bulk PLM EPA 600/R-93/116

Table with 5 columns: SanAir ID / Description, Appearance, % Fibrous, % Non-fibrous, Asbestos Fibers. Contains 12 rows of sample data.

Analyst: [Signature]

Approved Signatory: [Signature]

Analysis Date: 3/2/2021

Date: 3/2/2021



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### Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Components			Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
7A-212 / 21007934-013 , Grout	Grey Non-Fibrous Homogeneous		100% Other	None Detected
8A-212 / 21007934-014	Clear Non-Fibrous Homogeneous		100% Other	None Detected
9A-212 / 21007934-015 , Linoleum	Grey Non-Fibrous Homogeneous	20% Cellulose	80% Other	None Detected
9A-212 / 21007934-015 , Linoleum	Grey Non-Fibrous Homogeneous	20% Cellulose	80% Other	None Detected
9A-212 / 21007934-015 , Floor Tile	Grey Non-Fibrous Homogeneous		98% Other	2% Chrysotile
9A-212 / 21007934-015 , Mastic	Black Non-Fibrous Homogeneous		100% Other	None Detected
10A-212 / 21007934-016	Brown Fibrous Homogeneous	95% Cellulose	5% Other	None Detected
11A-212 / 21007934-017 , Tile	White Non-Fibrous Homogeneous		100% Other	None Detected
11A-212 / 21007934-017 , Grout	Tan Non-Fibrous Homogeneous		100% Other	None Detected
11A-212 / 21007934-017 , Mastic	Tan Non-Fibrous Homogeneous		100% Other	None Detected

Analyst: *K. King*

Approved Signatory: *Johnathan Wilson*

Analysis Date: 3/2/2021

Date: 3/2/2021



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**Received Date:** 2/23/2021 11:35:00 AM

Analyst: King, Kristina | Pisula, Nicholas | Vaughan, Nathaniel

### Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Components			Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
12A-212 / 21007934-018 , Tile	Aqua Non-Fibrous Homogeneous		100% Other	None Detected
12A-212 / 21007934-018 , Grout	White Non-Fibrous Homogeneous		100% Other	None Detected
12A-212 / 21007934-018 , Mastic	Tan Non-Fibrous Homogeneous		100% Other	None Detected
13A-212 / 21007934-019	Grey Non-Fibrous Homogeneous		80% Other	20% Chrysotile
14A-212 / 21007934-020 , Plaster	Brown Non-Fibrous Heterogeneous		100% Other	None Detected
14A-212 / 21007934-020 , Skim Coat	White Non-Fibrous Heterogeneous		100% Other	None Detected
15A-212 / 21007934-021 , Drywall	White Non-Fibrous Heterogeneous	8% Cellulose	92% Other	None Detected
15A-212 / 21007934-021 , Joint Compound	Off-White Non-Fibrous Heterogeneous		100% Other	< 1% Chrysotile
16A-212 / 21007934-022	White Fibrous Heterogeneous	95% Cellulose	5% Other	None Detected
17A-212 / 21007934-023 , Linoleum	White Non-Fibrous Heterogeneous	40% Cellulose	60% Other	None Detected

Analyst: *K. King*

Approved Signatory: *Jonathan Wilson*

Analysis Date: 3/2/2021

Date: 3/2/2021



SanAir ID Number

21007934

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Name: KPH Environmental Corp.
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Milwaukee, WI 53204
Phone: 414-647-1530

Project Number: 21-400-042.212
P.O. Number:
Project Name: McPike Park
Collected Date: Not Provided on COC
Received Date: 2/23/2021 11:35:00 AM

Analyst: King, Kristina | Pisula, Nicholas | Vaughan, Nathaniel

Asbestos Bulk PLM EPA 600/R-93/116

Table with 5 columns: SanAir ID / Description, Stereoscopic Appearance, Components (% Fibrous, % Non-fibrous), and Asbestos Fibers. Rows include samples like 17A-212 (Mastic), 18A-212 (Ceiling Tile), 18A-212 (Mastic), 19A-212, 20A-212 (Ceramic), 20A-212 (Grout), 20B-212, 20C-212, 21A-212, and 22A-212 (Tar).

Analyst: [Signature]

Approved Signatory: [Signature]

Analysis Date: 3/2/2021

Date: 3/2/2021



SanAir ID Number

21007934

FINAL REPORT

3/2/2021 5:48:16 PM

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Milwaukee, WI 53204
Phone: 414-647-1530

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Project Name: McPike Park
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Received Date: 2/23/2021 11:35:00 AM

Analyst: King, Kristina | Pisula, Nicholas | Vaughan, Nathaniel

Asbestos Bulk PLM EPA 600/R-93/116

Table with 5 columns: SanAir ID / Description, Stereoscopic Appearance, % Fibrous, % Non-fibrous, Asbestos Fibers. Rows include Insulation, Shingle, Tar Paper, and other samples.

Analyst: [Signature]

Approved Signatory: [Signature]

Analysis Date: 3/2/2021

Date: 3/2/2021

## Disclaimer

This report is the sole property of the client named on the SanAir Technologies Laboratory chain-of-custody (COC). Results in the report are confidential information intended only for the use by the customer listed on the COC. Neither results nor reports will be discussed with or released to any third party without our client's written permission. The final report shall not be reproduced except in full without written approval of the laboratory to assure that parts of the report are not taken out of context. The information provided in this report applies only to the samples submitted and is relevant only for the date, time, and location of sampling. The accuracy of the results is dependent upon the client's sampling procedure and information provided to the laboratory by the client. SanAir assumes no responsibility for the sampling procedure and will provide evaluation reports based solely on the sample(s) in the condition in which they arrived at the laboratory and information provided by the client on the COC, such as: project number, project name, collection dates, po number, special instructions, samples collected by, sample numbers, sample identifications, sample type, selected analysis type, flow rate, total volume or area, and start stop times that may affect the validity of the results in this report. Samples were received in good condition unless otherwise noted on the report. SanAir assumes no responsibility or liability for the manner in which the results are used or interpreted. This report does not constitute and shall not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any other U.S. governmental agencies and may not be certified by every local, state, and federal regulatory agencies.

Samples are held for a period of 60 days. Fibers smaller than 5 microns cannot be seen with this method due to scope limitations.

For NY state samples, method EPA 600/M4-82-020 is performed.

### 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 Certifications

NVLAP lab code 200870-0

City of Philadelphia: ALL-460

PA Department of Environmental Protection Number: 68-05397

California License Number: 2915

Colorado License Number: AL-23143

Connecticut License Number: PH-0105

Massachusetts License Number: AA000222

Maine License Number: LB-0075, LA-0084

New York ELAP lab ID: 11983

Rhode Island License Number: PCM00126, PLM00126, TEM00126

Texas Department of State Health Services License Number: 300440

Commonwealth of Virginia 3333000323

Washington State License Number: C989

West Virginia License Number: LT000616

Vermont License: AL166318

Louisiana Department of Environmental Quality: 212253, Cert 05088

Revision Date: 8/14/2020



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 Fax 804.897.0070  
 sanair.com

**Asbestos  
 Chain of Custody**  
 Form 140, Rev 3, 8/28/19

**SanAir ID Number**  
 21007934

Company: <b>KPH Environmental Corp.</b>		Project #: <b>21-400-042 .212</b>		Collected by:	
Address: <b>1237 West Bruce Street</b>		Project Name: <b>McPike Park</b>		Phone #: <b>(414) 647-1530</b>	
City, St., Zip: <b>Milwaukee, WI 53204</b>		Date Collected:		Fax #: <b>(414) 647-1540</b>	
State of Collection: <b>WI</b> Account#: <b>3905</b>		P.O. Number:		Email: <b>dean.jacobsen@kphenvironmental.com</b>	

Bulk			Air			Soil		
ABB	PLM EPA 600/R-93/116	<input checked="" type="checkbox"/>	ABA	PCM NIOSH 7400	<input type="checkbox"/>	ABSE	PLM EPA 600/R-93/116 (Qual.)	<input type="checkbox"/>
	Positive Stop	<input checked="" type="checkbox"/>	ABA-2	OSHA w/ TWA*	<input type="checkbox"/>	<b>Vermiculite &amp; Soil</b>		
ABEPA	PLM EPA 400 Point Count	<input type="checkbox"/>	ABTEM	TEM AHERA	<input type="checkbox"/>	ABSP	PLM CARB 435 (LOD <1%)	<input type="checkbox"/>
ABB1K	PLM EPA 1000 Point Count	<input type="checkbox"/>	ABATN	TEM NIOSH 7402	<input type="checkbox"/>	ABSP1	PLM CARB 435 (LOD 0.25%)	<input type="checkbox"/>
ABBEN	PLM EPA NOB**	<input type="checkbox"/>	ABT2	TEM Level II	<input type="checkbox"/>	ABSP2	PLM CARB 435 (LOD 0.1%)	<input type="checkbox"/>
ABBCH	TEM Chatfield**	<input type="checkbox"/>	Other:		<input type="checkbox"/>	<b>Dust</b>		
ABBTM	TEM EPA NOB**	<input type="checkbox"/>	<b>New York ELAP</b>			ABWA	TEM Wipe ASTM D-6480	<input type="checkbox"/>
ABQ	PLM Qualitative	<input type="checkbox"/>	ABEPA2	NY ELAP 198.1	<input type="checkbox"/>	ABDMV	TEM Microvac ASTM D-5755	<input type="checkbox"/>
** Available on 24-hr. to 5-day TAT			ABENY	NY ELAP 198.6 PLM NOB	<input type="checkbox"/>	Matrix <b>Other</b>		
<b>Water</b>			ABBNY	NY ELAP 198.4 TEM NOB	<input type="checkbox"/>	<input type="checkbox"/>		
ABHE	EPA 100.2	<input type="checkbox"/>						

Turn Around Times	3 HR (4 HR TEM) <input type="checkbox"/>	6 HR (8HR TEM) <input type="checkbox"/>	12 HR <input type="checkbox"/>	1 Day <input type="checkbox"/>
	<input type="checkbox"/> 2 Days	<input type="checkbox"/> 3 Days	<input type="checkbox"/> 4 Days	<input checked="" type="checkbox"/> 5 Days

**Special Instructions**

Sample #	Sample Identification/Location	Volume or Area	Sample Date	Flow Rate*	Start - Stop Time*
1A-212					
1B-212					
1C-212					
2A-212					
2B-212					
2C-212					
3A-212					
4A-212					
5A-212					
5B-212					
5C-212					
6A-212					

Relinquished by	Date	Time	Received by	Date	Time
<i>[Signature]</i>	2/22/21	1600	<i>[Signature]</i>	2/23/21	11:35 AM

If no technician is provided, then the primary contact for your account will be selected. Unless scheduled, the turnaround time for all samples received after 3 pm EST will be logged in the next business day. Weekend or holiday work must be scheduled ahead of time and is charged at 150% of the 3hr TAT or a minimum charge of \$150. A courier charge will be applied for same day and one-day turnaround times for offsite work. SanAir covers Standard Overnight FedEx shipping. Shipments billed to SanAir with a faster shipping rate will result in additional charges.





SanAir ID Number

21009583

FINAL REPORT

3/5/2021 12:38:56 PM

**Name:** KPH Environmental Corp.  
**Address:** 1237 West Bruce Steet  
Milwaukee, WI 53204  
**Phone:** 414-647-1530

**Project Number:** 21-400-042.212  
**P.O. Number:**  
**Project Name:** McPike Park  
**Collected Date:** 2/22/2021  
**Received Date:** 3/3/2021 9:14:00 AM

Dear Dean Jacobsen,

We at SanAir would like to thank you for the work you recently submitted. The 1 sample(s) were received on Wednesday, March 03, 2021 via Fax or Email request. The final report(s) is enclosed for the following sample(s): 9A-212.

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,

A handwritten signature in black ink that reads "Sandra Sobrino". The signature is written in a cursive, flowing style.

Sandra Sobrino  
Asbestos & Materials Laboratory Manager  
SanAir Technologies Laboratory

Final Report Includes:

- Cover Letter
- Analysis Pages
- Disclaimers and Additional Information

Sample conditions:

- 1 samples in Good condition.



SanAir ID Number  
**21009583**  
 FINAL REPORT  
 3/5/2021 12:38:56 PM

**Name:** KPH Environmental Corp.  
**Address:** 1237 West Bruce Steet  
 Milwaukee, WI 53204  
**Phone:** 414-647-1530

**Project Number:** 21-400-042.212  
**P.O. Number:**  
**Project Name:** McPike Park  
**Collected Date:** 2/22/2021  
**Received Date:** 3/3/2021 9:14:00 AM

Analyst: Roseblock, Mary

**Asbestos Bulk EPA PLM NOB EPA 600/R-93/116**

SanAir ID / Description	Appearance	% Fibrous	% Non Fibrous	Asbestos Types	% Total Asbestos
21009583-001 / 9A-212 Floor Tile	Grey Non-Fibrous Homogeneous		97.3 %	Chrysotile	2.7 %

EPA 400 Point Count with Gravimetric Reduction.

Analyst: *Mary E Roseblock*

Approved Signatory: *[Signature]*

Analysis Date: 3/5/2021

Date: 3/5/2021

## **Disclaimer**

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 Fax 804.897.0070  
 sanair.com

Asbestos  
 Chain of Custody  
 Form 140, Rev 3, 8/28/19

SanAir ID Number  
 21009583

Company: <b>KPH Environmental Corp.</b>		Project #: <b>21-400-042.212</b>		Collected by:	
Address: <b>1237 West Bruce Street</b>		Project Name: <b>McPike Park</b>		Phone #: <b>(414) 647-1530</b>	
City, St., Zip: <b>Milwaukee, WI 53204</b>		Date Collected: <b>2/22/21</b>		Fax #: <b>(414) 647-1540</b>	
State of Collection: <b>WI</b> Account#: <b>3905</b>		P.O. Number:		Email: <b>dean.jacobsen@kphenvironmental.com</b>	

Bulk		
ABB	PLM EPA 600/R-93/116	<input type="checkbox"/>
	Positive Stop	<input type="checkbox"/>
ABEPA	PLM EPA 400 Point Count	<input checked="" type="checkbox"/>
ABB1K	PLM EPA 1000 Point Count	<input type="checkbox"/>
ABBEN	PLM EPA NOB**	<input checked="" type="checkbox"/>
ABBCH	TEM Chatfield**	<input type="checkbox"/>
ABBTM	TEM EPA NOB**	<input type="checkbox"/>
ABQ	PLM Qualitative	<input type="checkbox"/>

Air		
ABA	PCM NIOSH 7400	<input type="checkbox"/>
ABA-2	OSHA w/ TWA	<input type="checkbox"/>
ABTEM	TEM AHERA	<input type="checkbox"/>
ABATN	TEM NIOSH 7402	<input type="checkbox"/>
ABT2	TEM Level II	<input type="checkbox"/>
Other:		<input type="checkbox"/>

Soil		
ABSE	PLM EPA 600/R-93/116 (Qual.)	<input type="checkbox"/>

Vermiculite & Soil		
ABSP	PLM CARB 435 (LOD <1%)	<input type="checkbox"/>
ABSP1	PLM CARB 435 (LOD 0.25%)	<input type="checkbox"/>
ABSP2	PLM CARB 435 (LOD 0.1%)	<input type="checkbox"/>

Dust		
ABWA	TEM Wipe ASTM D-6480	<input type="checkbox"/>
ABDMV	TEM Microvac ASTM D-5755	<input type="checkbox"/>

New York ELAP		
ABEPA2	NY ELAP 198.1	<input type="checkbox"/>
ABENY	NY ELAP 198.6 PLM NOB	<input type="checkbox"/>
ABBNY	NY ELAP 198.4 TEM NOB	<input type="checkbox"/>

Water		
ABHE	EPA 100.2	<input type="checkbox"/>

Matrix	Other
	<input type="checkbox"/>

Turn Around Times	3 HR (4 HR TEM) <input type="checkbox"/>	6 HR (8HR TEM) <input type="checkbox"/>	12 HR <input type="checkbox"/>	1 Day <input type="checkbox"/>
	<input checked="" type="checkbox"/> 2 Days	<input type="checkbox"/> 3 Days	<input type="checkbox"/> 4 Days	<input type="checkbox"/> 5 Days

**Special Instructions**

Sample #	Sample Identification/Location	Volume or Area	Sample Date	Flow Rate	Start - Stop Time
9A-212	floor tile				
15A-212	joint compound				
25A-212					

Relinquished by	Date	Time	Received by	Date	Time
<i>Dean Jacobsen</i>	3/3/21	8:15	<i>AM</i>	3-3-21	9:14 AM

If no technician is provided, then the primary contact for your account will be selected. Unless scheduled, the turnaround time for all samples received after 3 pm EST will be logged in the next business day. Weekend or holiday work must be scheduled ahead of time and is charged at 150% of the 3hr TAT or a minimum charge of \$150. A courier charge will be applied for same day and one-day turnaround times for offsite work. SanAir covers Standard Overnight FedEx shipping. Shipments billed to SanAir with a faster shipping rate will result in additional charges.



SanAir ID Number  
**21009584**  
FINAL REPORT  
3/5/2021 4:06:52 PM

**Name:** KPH Environmental Corp.  
**Address:** 1237 West Bruce Steet  
Milwaukee, WI 53204  
**Phone:** 414-647-1530

**Project Number:** 21-400-042.212  
**P.O. Number:**  
**Project Name:** McPike Park  
**Collected Date:** 2/22/2021  
**Received Date:** 3/3/2021 9:14:00 AM

Dear Dean Jacobsen,

We at SanAir would like to thank you for the work you recently submitted. The 2 sample(s) were received on Wednesday, March 03, 2021 via Fax or Email request. The final report(s) is enclosed for the following sample(s): 15A-212, 25A-212.

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,

A handwritten signature in black ink that reads "Sandra Sobrino". The signature is written in a cursive, flowing style.

Sandra Sobrino  
Asbestos & Materials Laboratory Manager  
SanAir Technologies Laboratory

Final Report Includes:

- Cover Letter
- Analysis Pages
- Disclaimers and Additional Information

Sample conditions:

- 2 samples in Good condition.



SanAir ID Number  
**21009584**  
 FINAL REPORT  
 3/5/2021 4:06:52 PM

**Name:** KPH Environmental Corp.  
**Address:** 1237 West Bruce Steet  
 Milwaukee, WI 53204  
**Phone:** 414-647-1530

**Project Number:** 21-400-042.212  
**P.O. Number:**  
**Project Name:** McPike Park  
**Collected Date:** 2/22/2021  
**Received Date:** 3/3/2021 9:14:00 AM

Analyst: King, Kristina

### Asbestos Bulk EPA PLM 400 Point Count

SanAir ID / Description	Stereoscopic	Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
15A-212 / 21009584-001 Joint Compound	Tan Non-Fibrous Heterogeneous		99.75% Other	0.25% Chrysotile
25A-212 / 21009584-002	Grey Non-Fibrous Homogeneous		98.75% Other	1.25% Chrysotile

Analyst: *K King*

Approved Signatory: *Johnathan Wilson*

Analysis Date: 3/5/2021

Date: 3/5/2021

## **Disclaimer**

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Asbestos  
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 Form 140, Rev 3, 8/28/19

SanAir ID Number  
 21009584

Company: KPH Environmental Corp. Project #: 21-400-042.212 Collected by:  
 Address: 1237 West Bruce Street Project Name: McPike Park Phone #: (414) 647-1530  
 City, St., Zip: Milwaukee, WI 53204 Date Collected: 2/22/21 Fax #: (414) 647-1540  
 State of Collection: WI Account#: 3905 P.O. Number: Email: dean.jacobsen@kphenvironmental.com

Bulk			Air			Soil		
ABB	PLM EPA 600/R-93/116	<input type="checkbox"/>	ABA	PCM NIOSH 7400	<input type="checkbox"/>	ABSE	PLM EPA 600/R-93/116 (Qual.)	<input type="checkbox"/>
	Positive Stop	<input type="checkbox"/>	ABA-2	OSHA w/ TWA*	<input type="checkbox"/>	Vermiculite & Soil		
ABEPA	PLM EPA 400 Point Count	<input checked="" type="checkbox"/>	ABTEM	TEM AHERA	<input type="checkbox"/>			
ABBJK	PLM EPA 1000 Point Count	<input type="checkbox"/>	ABATN	TEM NIOSH 7402	<input type="checkbox"/>	ABSP1	PLM CARB 435 (LOD 0.25%)	<input type="checkbox"/>
ABBEN	PLM EPA NOB**	<input checked="" type="checkbox"/>	ABT2	TEM Level II	<input type="checkbox"/>	ABSP2	PLM CARB 435 (LOD 0.1%)	<input type="checkbox"/>
ABBCH	TEM Chatfield**	<input type="checkbox"/>	Other:		<input type="checkbox"/>	Dust		
ABBTM	TEM EPA NOB**	<input type="checkbox"/>	New York ELAP					
ABQ	PLM Qualitative	<input type="checkbox"/>	ABEPA2	NY ELAP 198.1	<input type="checkbox"/>	ABDMV	TEM Microvac ASTM D-5755	<input type="checkbox"/>
** Available on 24-hr. to 5-day TAT			ABENY	NY ELAP 198.6 PLM NOB	<input type="checkbox"/>	Matrix	Other	<input type="checkbox"/>
Water			ABBNY	NY ELAP 198.4 TEM NOB	<input type="checkbox"/>			
ABHE	EPA 100.2	<input type="checkbox"/>						

Turn Around Times	3 HR (4 HR TEM) <input type="checkbox"/>	6 HR (8HR TEM) <input type="checkbox"/>	12 HR <input type="checkbox"/>	1 Day <input type="checkbox"/>
	<input checked="" type="checkbox"/> 2 Days	<input type="checkbox"/> 3 Days	<input type="checkbox"/> 4 Days	<input type="checkbox"/> 5 Days

**Special Instructions**

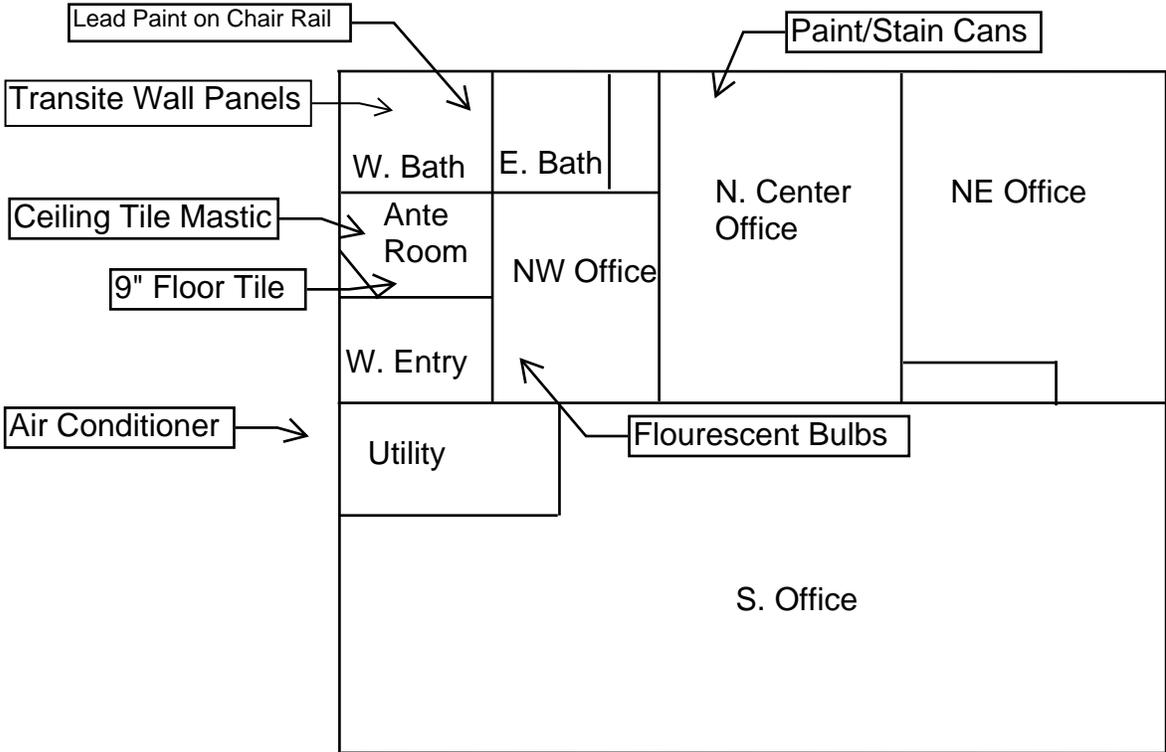
Sample #	Sample Identification/Location	Volume or Area	Sample Date	Flow Rate*	Start - Stop Time*
9A-212	floor tile				
15A-212	joint compound				
25A-212					

Relinquished by	Date	Time	Received by	Date	Time
<i>Dean Jacobsen</i>	3/3/21	8:15	AM	3:3:21	9:14am

If no technician is provided, then the primary contact for your account will be selected. Unless scheduled, the turnaround time for all samples received after 3 pm EST will be logged in the next business day. Weekend or holiday work must be scheduled ahead of time and is charged at 150% of the 3hr TAT or a minimum charge of \$150. A courier charge will be applied for same day and one-day turnaround times for offsite work. SanAir covers Standard Overnight FedEx shipping. Shipments billed to SanAir with a faster shipping rate will result in additional charges.

## **B. FLOOR PLANS**

**Office Building  
212 South Baldwin Street  
Madison, WI**



Lead Paint: Exterior  
Window Casing/Wells,  
East Window Sashes,

**C. XRF PERFORMANCE CHARACTERISTIC SHEET**

## Performance Characteristic Sheet

EFFECTIVE DATE: December 1, 2006

EDITION NO.: 1

**MANUFACTURER AND MODEL:**

Make: *Innov-X Systems, Inc.*  
Models: *LBP4000 with software version 1.4 and higher*  
Source: *X-ray tube*

### FIELD OPERATION GUIDANCE

**OPERATING PARAMETERS:**

Inspection mode, variable reading time.

**XRF CALIBRATION CHECK LIMITS:**

1.0 to 1.1 mg/cm <sup>2</sup> (inclusive)
---

**SUBSTRATE CORRECTION:**

Not applicable

**INCONCLUSIVE RANGE OR THRESHOLD:**

INSPECTION MODE READING DESCRIPTION	SUBSTRATE	INCONCLUSIVE RANGE (mg/cm <sup>2</sup> )
Results not corrected for substrate bias on any substrate	Brick	0.6 to 1.1
	Concrete	0.6 to 1.1
	Drywall	0.6 to 1.1
	Metal	0.6 to 1.1
	Plaster	0.6 to 1.1
	Wood	0.6 to 1.1

### BACKGROUND INFORMATION

**EVALUATION DATA SOURCE AND DATE:**

This sheet is supplemental information to be used in conjunction with Chapter 7 of the HUD *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing* ("HUD Guidelines"). Performance parameters shown on this sheet are calculated from the EPA/HUD evaluation using archived building components. Testing was conducted on 146 test locations, with two separate instruments, in December 2005.

### OPERATING PARAMETERS:

Performance parameters shown in this sheet are applicable only when properly operating the instrument using the manufacturer's instructions and procedures described in Chapter 7 of the HUD Guidelines.

### XRF CALIBRATION CHECK:

The calibration of the XRF instrument should be checked using the paint film nearest 1.0 mg/cm<sup>2</sup> in the NIST Standard Reference Material (SRM) used (e.g., for NIST SRM 2579, use the 1.02 mg/cm<sup>2</sup> film).

If the average (rounded to 1 decimal place) of three readings is outside the acceptable calibration check range, follow the manufacturer's instructions to bring the instrument into control before XRF testing proceeds.

### SUBSTRATE CORRECTION VALUE COMPUTATION:

Chapter 7 of the HUD Guidelines provides guidance on correcting XRF results for substrate bias. Supplemental guidance for using the paint film nearest 1.0 mg/cm<sup>2</sup> for substrate correction is provided:

XRF results are corrected for substrate bias by subtracting from each XRF result a correction value determined separately in each house for single-family housing or in each development for multifamily housing, for each substrate. The correction value is an average of XRF readings taken over the NIST SRM paint film nearest to 1.0 mg/cm<sup>2</sup> at test locations that have been scraped bare of their paint covering. Compute the correction values as follows:

Using the same XRF instrument, take three readings on a bare substrate area covered with the NIST SRM paint film nearest 1 mg/cm<sup>2</sup>. Repeat this procedure by taking three more readings on a second bare substrate area of the same substrate covered with the NIST SRM.

Compute the correction value for each substrate type where XRF readings indicate substrate correction is needed by computing the average of all six readings as shown below.

For each substrate type (the 1.02 mg/cm<sup>2</sup> NIST SRM is shown in this example; use the actual lead loading of the NIST SRM used for substrate correction):

$$\text{Correction value} = (1\text{st} + 2\text{nd} + 3\text{rd} + 4\text{th} + 5\text{th} + 6\text{th Reading}) / 6 - 1.02 \text{ mg/cm}^2$$

Repeat this procedure for each substrate requiring substrate correction in the house or housing development.

### EVALUATING THE QUALITY OF XRF TESTING:

Randomly select ten testing combinations for retesting from each house or from two randomly selected units in multifamily housing.

Conduct XRF re-testing at the ten testing combinations selected for retesting.

Determine if the XRF testing in the units or house passed or failed the test by applying the steps below.

Compute the Retest Tolerance Limit by the following steps:

Determine XRF results for the original and retest XRF readings. Do not correct the original or retest results for substrate bias. In single-family and multi-family housing, a result is defined as a single reading. Therefore, there will be ten original and ten retest XRF results for each house or for the two selected units.

Calculate the average of the original XRF result and the retest XRF result for each testing combination.

Square the average for each testing combination.

Add the ten squared averages together. Call this quantity C.

Multiply the number C by 0.0072. Call this quantity D.

Add the number 0.032 to D. Call this quantity E.

Take the square root of E. Call this quantity F.

Multiply F by 1.645. The result is the Retest Tolerance Limit.

Compute the average of all ten original XRF readings.

Compute the average of all ten re-test XRF readings.

Find the absolute difference of the two averages.

If the difference is less than the Retest Tolerance Limit, the inspection has passed the retest. If the difference of the overall averages equals or exceeds the Retest Tolerance Limit, this procedure should be repeated with ten new testing combinations. If the difference of the overall averages is equal to or greater than the Retest Tolerance Limit a second time, then the inspection should be considered deficient.

Use of this procedure is estimated to produce a spurious result approximately 1% of the time. That is, results of this procedure will call for further examination when no examination is warranted in approximately 1 out of 100 dwelling units tested.

**TESTING TIMES:**

For the variable-time inspection paint test mode, the instrument continues to read until it has determined whether the result is positive or negative (with respect to the 1.0 mg/cm<sup>2</sup> Federal standard), with 95% confidence. The following table provides testing time information for this testing mode.

Testing Times Using Variable Reading Time Inspection Mode (Seconds)						
Substrate	All Data			Median for laboratory-measured lead levels (mg/cm <sup>2</sup> )		
	25 <sup>th</sup> Percentile	Median	75 <sup>th</sup> Percentile	Pb < 0.25	0.25 ≤ Pb < 1.0	1.0 ≤ Pb
Wood, Drywall	2.1	2.3	5.4	2.2	5.4	2.2
Metal	2.6	3.2	5.3	2.7	5.1	5.1
Brick, Concrete, Plaster	3.1	4.0	5.7	3.2	4.0	5.9

**CLASSIFICATION OF RESULTS:**

When an inconclusive range is specified on the *Performance Characteristic Sheet*, XRF results are classified as positive if they are greater than the upper boundary of the inconclusive range, negative if they are less than the lower boundary of the inconclusive range, or inconclusive if in between. The inconclusive range includes both its upper and lower bounds. If the instrument reads "> x mg/cm<sup>2</sup>", the value "x" should be used for classification purposes, ignoring the ">". For example, a reading reported as ">1.0 mg/cm<sup>2</sup>" is classified as 1.0 mg/cm<sup>2</sup>, or inconclusive. When the inconclusive range reported in this PCS is used to classify the readings obtained in the EPA/HUD evaluation, the following False Positive, False Negative and Inconclusive rates are obtained:

- FALSE POSITIVE RATE: 2.5% (2/80)
- FALSE NEGATIVE RATE: 1.9% (4/212)
- INCONCLUSIVE RATE: 16.4% (48/212)

**DOCUMENTATION:**

A document titled *Methodology for XRF Performance Characteristic Sheets* provides an explanation of the statistical methodology used to construct the data in the sheets, and provides empirical results from using the recommended inconclusive ranges or thresholds for specific XRF instruments. For a copy of this document call the National Lead Information Center Clearinghouse at 1-800-424-LEAD.

This XRF Performance Characteristic Sheet was developed by the Midwest Research Institute (MRI) and QuanTech, Inc., under a contract between MRI and the XRF manufacturer. XRF Performance Characteristic Sheets were originally developed by the MRI under a grant from the U. S. Environmental Protection Agency and the U.S. Department of Housing and Urban Development. HUD has determined that the information provided here is acceptable when used as guidance in conjunction with Chapter 7, Lead-Based Paint Inspection, of HUD's *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing*.

## **D. KPH CERTIFICATION**

# Company Certificate

This certifies that

**KPH ENVIRONMENTAL CORPORATION**

1237 W BRUCE ST  
MILWAUKEE WI 53204-1218

is certified under ch. DHS 159, Wis.Adm.Code as a

**Asbestos Company -- Primary**

Certificate Issue Date: 07/16/2020  
Expiration Date: 09/10/2022, 12:01 a.m.  
Certification #: CAP-1432180

Wisconsin Department of Health Services  
Division of Public Health  
Bureau of Environmental and Occupational Health  
Asbestos & Lead Section  
PO Box 2659  
Madison WI 53701-2659  
Phone: (608) 261-6876



*Miriam Hasan*  
Miriam Hasan, Unit Supervisor

# Company Certificate

This certifies that

**KPH ENVIRONMENTAL CORPORATION**

1237 W BRUCE ST  
MILWAUKEE WI 53204-1218

is certified under ch. DHS 163, Wis.Adm.Code as a

**Lead Company**

Certificate Issue Date: 02/01/2021  
Expiration Date: 04/28/2023, 12:01 a.m.  
Certification #: DHS-1432180

Wisconsin Department of Health Services  
Division of Public Health  
Bureau of Environmental and Occupational Health  
Asbestos & Lead Section  
PO Box 2659  
Madison WI 53701-2659  
Phone: (608) 261-6876



*Miriam Hasan*  
Miriam Hasan, Unit Supervisor



Tony Evers  
Governor

Andrea Palm  
Secretary



State of Wisconsin  
Department of Health Services

DIVISION OF PUBLIC HEALTH

1 WEST WILSON STREET

P O BOX 2659  
MADISON WI 53701-2659

Telephone: 608 266-1251  
FAX: 608 267-2832  
TTY: 888-701-1253  
dhs.wisconsin.gov

November 6, 2020

DEAN T JACOBSEN  
W131S6781 KIPLING DR  
MUSKEGO WI 53150-3401

ID# AII-14370

**Congratulations!** Your new Wisconsin certification card is enclosed. Please look it over and call us right away if anything on your blue card is wrong.

**Follow Wisconsin law by making sure that you:**

1. Have your blue card with you when doing regulated work.
2. Work safely using the methods you learned in training.
3. Keep your mailing address up to date. We mail a reminder when it's time to renew your blue card. Update your address by emailing [DHSAsbestosLead@wi.gov](mailto:DHSAsbestosLead@wi.gov), by using our Lead and Asbestos Online Certification website, [www.dhs.wisconsin.gov/waldo](http://www.dhs.wisconsin.gov/waldo), or by mailing a note to:

Lead and Asbestos Section  
1 W. Wilson St., Room 137  
P.O. Box 2659  
Madison WI 53701-2659

4. Take refresher training well before the "Training due by" date printed on your blue card.
  - o Asbestos-certified individuals must refresh in Wisconsin no earlier than **90 days** before the due date to keep the same expiration date.  
Find asbestos training providers at [www.dhs.wisconsin.gov/asbestos](http://www.dhs.wisconsin.gov/asbestos).
  - o Lead-certified individuals can refresh up to **1 year** before the due date.  
Find lead training providers at [www.dhs.wisconsin.gov/lead](http://www.dhs.wisconsin.gov/lead).
5. Apply to renew your card at least **1 month** before the "Exp." date on your blue card.
6. Be associated with a certified company when doing regulated work in Wisconsin. If you work for yourself, you must certify your own company under a name of your choosing. Otherwise, you must be employed by a certified company. Get a company application form at [www.dhs.wisconsin.gov/lead](http://www.dhs.wisconsin.gov/lead) or [www.dhs.wisconsin.gov/asbestos](http://www.dhs.wisconsin.gov/asbestos).
7. **Don't** conduct regulated work after your blue card expires. This could result in an enforcement action.

By getting certified and working safely, you pro... professional responsibility. Contact us if you h... below and on the back of your blue card.

The Lead and Asbestos Certification Program  
(608) 261-6876  
[DHSAsbestosLead@wi.gov](mailto:DHSAsbestosLead@wi.gov)  
[www.dhs.wisconsin.gov/asbestos](http://www.dhs.wisconsin.gov/asbestos)  
[www.dhs.wisconsin.gov/lead](http://www.dhs.wisconsin.gov/lead)

COPY

ASBESTOS INSPECTOR  
Issued By  
STATE OF WISCONSIN  
Dept. of Health Services  
Dean T Jacobsen  
W131s6781 Kipling Dr  
Muskego WI 53150-3401

AII-14370	Exp: 05/29/2021	160 lbs	5' 08"
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Training due by: 05/29/2021

Tony Evers  
Governor

Andrea Palm  
Secretary



State of Wisconsin  
Department of Health Services

DIVISION OF PUBLIC HEALTH

1 WEST WILSON STREET

P O BOX 2659  
MADISON WI 53701-2659

Telephone: 608 266-1251  
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TTY: 888-701-1253  
dhs.wisconsin.gov

November 25, 2020

DEAN T JACOBSEN  
W131S6781 KIPLING DR  
MUSKEGO WI 53150-3401

ID# LRA-14370

**Congratulations!** Your new Wisconsin certification card is enclosed. Please look it over and call us right away if anything on your blue card is wrong.

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Madison WI 53701-2659

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  - o Lead-certified individuals can refresh up to **1 year** before the due date.  
Find lead training providers at [www.dhs.wisconsin.gov/lead](http://www.dhs.wisconsin.gov/lead).
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6. Be associated with a certified company when doing regulated work in Wisconsin. If you work for yourself, you must certify your own company under a name of your choosing. Otherwise, you must be employed by a certified company. Get a company application form at [www.dhs.wisconsin.gov/lead](http://www.dhs.wisconsin.gov/lead) or [www.dhs.wisconsin.gov/asbestos](http://www.dhs.wisconsin.gov/asbestos).
7. **Don't** conduct regulated work after your blue card expires. This could result in an enforcement action.

By getting certified and working safely, you protect your own and others' health and professional responsibility. Contact us if you have any questions listed below and on the back of your blue card.

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[www.dhs.wisconsin.gov/lead](http://www.dhs.wisconsin.gov/lead)

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LEAD(PB) RISK ASSESSOR  
Issued By  
STATE OF WISCONSIN  
Dept. of Health Services

Dean T Jacobsen  
W131s6781 Kipling Dr  
Muskego WI 53150-3401

LRA-14370	Exp: 11/19/2022	160 lbs	5' 08"
Training due by: 11/19/2022		12/12/1963	