THE CITY OF KENOSHA, WISCONSIN
REQUEST FOR PROPOSAL TO REMOVE AND DISPOSE
OF ASBESTOS CONTAINING MATERIAL WITH INSTRUCTIONS TO PROPOSERS

PROPOSAL NO. 05-18

ISSUED: February 28, 2018

The City of Kenosha, Wisconsin, will receive proposals for the removal and disposal of Asbestos Containing Material from the structure(s) described below in accordance with this Request for Proposal with Instructions to Proposers and the enclosed Environmental Inspection Reports, the General Specifications and Conditions, and the Contract, hereinafter referred to as the Work.

DEADLINE FOR RECEIPT OF PROPOSAL. March 20, 2018 at 2:30 P.M.

PROPOSAL OPENING. March 20, 2018 at 2:30 P.M.

CITY OFFICE WHERE FILED. Department of Finance, Municipal Building, Room 208, 625 - 52nd Street, Kenosha, Wisconsin 53140.

FORM OF PROPOSAL. Proposals must be submitted sealed, on City forms, legible and fully complete in all respects, showing the date and time of the proposal opening on the outside of the sealed proposal. The City reserves the right to reject any proposal which the City deems incomplete.

FOR MORE INFORMATION. Contact Zohrab Khaligian, Community Development Specialist, Community Development and Inspections, 625 52nd Street, Room 308, Kenosha, Wisconsin 53140, (262) 653-4030, zkhaligian@kenosha.org

ASBESTOS REMOVAL AND DISPOSAL. Environmental Inspection Reports indicating the description, location and quantity of Category I, Category II, and Regulated Asbestos Containing Material (RACM) to be removed and disposed of are attached. The Proposer shall be certified by the Wisconsin Department of Health Services to perform asbestos removal and disposal and any subcontractor performing asbestos removal and disposal shall also be certified by the Wisconsin Department of Health Services to perform asbestos removal and disposal. Proof of certification shall be provided to the City. The Proposer shall file all reports regarding asbestos removal and disposal required by Federal and State law, rules and regulations. All Category I, Category II, and Regulated Asbestos Containing Material shall be removed from the structure(s) and properly disposed of as required by Federal and State law, rules and regulations.

STRUCTURE(S) REQUIRING REMOVAL AND DISPOSAL OF ASBESTOS CONTAINING MATERIAL

Address:	912 47th Street
Parcel Identification No.	12-223-31-131-013
Description:	Two story, one unit residential wood framed structure consisting of approximately 1,056 square feet with a basement and attic.
Address:	2502 54th Street
Parcel Identification No.	09-222-36-405-005
	Two story, two unit residential wood framed structure consisting of approximately 1,446 square feet with a basement, attic and detached garage.
Address:	2721 63rd Street
Parcel Identification No.	01-122-01-152-002
	Two story, one unit residential wood framed structure consisting of approximately 1,104 square feet with a basement, attic and small shed.
Address:	4811 37th Avenue
Parcel Identification No.	09-222-36-231-011
	Two story, four unit residential wood framed structure with lower brick consisting of approximately 3,250 square feet with a basement and attic.

CONTRACT REQUIRED. The Proposer selected to perform the Work will be required to execute a Contract and related documents on City forms as a condition of performing the Work. All Work is to be performed in accordance with the Contract. A copy of the specimen Contract is enclosed.

INSPECTION AND REVIEW OF SITE AND CITY DATA. Each Proposer has an obligation to examine the site(s) upon which the Work will be performed to assess conditions and to review any City furnished data.

The City will open the structure(s) and lot(s) on Thursday, March 8, 2018 to give Proposers an opportunity to inspect the structure(s) and to ask staff questions. Each Proposer will be required to provide their own lighting and ladders for their inspections.

Inspections will commence at 912 47th Street at 10:00 A.M.

The City will not accept a Proposal from any Proposer who has not signed in indicating that the Proposer has inspected the structure(s) and lot(s), or has not made other inspection arrangements with City staff.

LISTING OF SUBCONTRACTORS, MAJOR MATERIAL SUPPLIERS (OVER $5,000.00), AND DISPOSAL SITES. Proposals shall include on the attached City form a complete list of all subcontractors, including all subcontractors responsible for the removal and disposal of any Category I, Category II, and Regulated Asbestos Containing Material (RACM), together with a complete list of all major material suppliers which are suppliers furnishing over $5,000.00 in materials. The class of Work to be performed by each subcontractor and major material supplier shall also be provided. The completed list

shall also include the disposal sites to be used and where Federal or State law requires certain regulated materials to be disposed of in a Federal or State licensed or permitted disposal site, then such disposal sites shall be used and their License/Permit Number included. The list must be approved by the City and cannot be altered after submission without the written consent of the City. The City reserves the right to reject any Proposal which does not comply with this Paragraph or if in the City's determination any listed subcontractor or major material supplier is deemed not appropriately qualified.

ENVIRONMENTAL MATTERS. Where the Work requires environmental process, abatement, remediation or disposal in a Federal or State licensed or permitted disposal site, the Proposer may propose alternate methods of doing the Work with the cost of each alternative separately noted.

AWARD OF CONTRACT. The City will enter into a Contract with the Proposer deemed most qualified. In making this determination, the City will consider with respect to each Proposer: general qualifications, special expertise, time in which the Work can be performed, financial ability to perform the Work, environmental experience and responsibility (where applicable), work record and history, and experience in projects of a similar magnitude.

The City reserves the right to reject unqualified or nonconforming Proposals, to reject all Proposals and request new Proposals, to accept a Proposal for an individual structure, any combination of structures, or all structures, to accept Proposal(s) if advantageous to the City, or to select the most qualified Proposal. This project is not a public construction contract under Wisconsin law and the City is not required to award the Contract to the lowest responsible Proposer.

COMMENCEMENT AND DILIGENT COMPLETION OF WORK. The Proposer selected to perform the Work will conduct the Work diligently until fully complete in accordance with the Contract. The time schedule for performance is stated in the General Specifications and Conditions.

EXECUTION OF DOCUMENTS. Documents which are required to be executed by the Proposer shall be executed as follows:

1. Corporations. By the President and one (1) other officer, preferably the Secretary.
2. Limited Liability Companies. By a Member, if member managed or the Manager if manager managed.
3. Partnerships. By each general partner, unless the partnership agreement provides otherwise.
4. Sole Proprietors. By each named individual.

Any exception to the above must be approved by the City Attorney who may require such documents as may be necessary to consider an exception.

DOCUMENTS TO BE SUBMITTED. Proposers shall submit the following documents, on City forms, in the course of making a Proposal.

1. Proposal.
2. Affidavit of Organization and Authority and Careful Inspection of Site and Preparation of Proposal.
3. List of Subcontractors and Major Material Suppliers (including disposal site with DNR Permit Number, if any).

PROPOSAL NO. 05-18

PROPOSAL

Finance:

A representative of this organization has inspected the structure(s) and lot(s) described below at the specified location(s), and hereby submits the following Proposal to Remove and Dispose of Asbestos Containing Material at the following prices, to be firm for thirty (30) days from the date of this Proposal, subject to the Proposal being accepted within that time and a Contract entered into for that price.

912 47th Street — Address
12-223-31-131-013 — Tax Parcel No.

$_____ — Dollar Amount
_____ — Written Dollar Amount

2502 54th Street — Address
09-222-36-405-005 — Tax Parcel No.

$_____ — Dollar Amount
_____ — Written Dollar Amount

2721 63rd Street — Address
01-122-01-152-002 — Tax Parcel No.

$_____ — Dollar Amount
_____ — Written Dollar Amount

4811 37th Avenue — Address
09-222-36-231-011 — Tax Parcel No.

$_____ — Dollar Amount
_____ — Written Dollar Amount

$_____ — **TOTAL DOLLAR AMOUNT**
_____ — **TOTAL WRITTEN DOLLAR AMOUNT**

DISPOSAL SITE: _____

DISPOSAL SITE PERMIT NUMBER: _____

The effective date of the Contract shall be the date of last execution. The Work shall commence and deadlines for performance shall commence upon notification of execution of the Contract with directions to proceed from the City. The Contractor shall furnish sufficient labor, material, equipment and supervision in order to complete the Work within the required time of performance.

Respectfully submitted,

Firm:_____

Signature:_____

Type/Print Name:_____

Title:_____

Date:_____

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GENERAL SPECIFICATIONS AND CONDITIONS

ASBESTOS CONTAINING MATERIAL. Category I, Category II and Regulated Asbestos Containing Material (RACM), are defined in 40 C.F.R. 61.141.

The Contractor shall warrant that all Work performed under the Contract by the Contractor, subcontractors, and major material suppliers shall be performed in accordance with all Federal, State and local laws, rules and regulations, including but not limited to the National Emission Standards for Hazardous Air Pollutants (NESHAP), 40 C.F.R. 61.145.

The Contractor shall complete a Notification for Demolition and/or Renovation and Application for Permit Exemption (Form 4500-113), and supply a copy to the Department of Community Development and Inspections at the time of permitting.

EQUIPMENT AND MATERIAL STORAGE. The use of any other parcel of land for the storing of equipment and materials is prohibited unless specifically permitted by the Director of Community Development and Inspections and the Director of Public Works or their designee. A public right-of-way may not be used for the storing of equipment and materials without the Contractor obtaining a Street Opening/Occupying Permit from the Department of Public Works.

PERMITS, APPROVALS AND TIME OF PERFORMANCE. The Contractor shall obtain all required permits and approvals to perform the Work within five (5) calendar days of notification of execution of the Contract with directions to proceed from the City. The Work shall be completed within 30 calendar days of notification of execution of the Contract with directions to proceed from the City. The Work shall be diligently performed until complete in accordance with the Contract, time being of the essence with respect to the commencement and completion of the Work. The Contractor shall furnish sufficient labor, material, equipment, and supervision to complete the Work within the required time of performance. Time lost and any costs incurred by the Contractor due to the Contractor's lack of coordination with the City or the Contractor's subcontractors and major material suppliers shall not be grounds for a claim for additional compensation or an extension of time to complete the Work.

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AFFIDAVIT OF ORGANIZATION AND AUTHORITY AND CAREFUL INSPECTION OF SITE AND PREPARATION OF PROPOSAL

STATE OF WISCONSIN)
:SS.
COUNTY OF)

_____, being first duly sworn, on oath, deposes and says that the Proposer shown on the attached Proposal is organized as indicated below, and that all statements herein are made on behalf of the Proposer, and this deponent is authorized to make them.

[Fill Out Applicable Paragraph]

CORPORATION. The Proposer is a corporation incorporated and existing in good standing under the laws of the State of_____, and its President is _____ and its Secretary is _____.

The President is authorized to sign contracts and proposals for the Corporation by action of its Board of Directors taken on _____, a certified copy of which is attached hereto. [Strike out this last sentence, if applicable].

LIMITED LIABILITY COMPANY. The Proposer is a limited liability company organized and existing in good standing under the laws of the State of _____. Pursuant to its Articles of Organization, the Proposer may be bound by action of its Manager/Members [strike one].

PARTNERSHIP. The Proposer is a partnership consisting of _____ _____, General Partners, doing business under the name of _____ _____.

SOLE PROPRIETOR. The Proposer is an individual and, if operating under a trade name, such trade name is as follows:_____.

NAME AND ADDRESS. The name and business address of the Proposer is as follows:

_____
_____
_____
Telephone Number:_____
E-Mail Address:_____

STATUTORY SWORN STATEMENT. _____,
also deposes and states that he/she has examined the Request for Proposal with Instructions to Proposers, the Environmental Inspection Reports, the General Specifications and Conditions, and any City furnished data, has investigated the site and the site conditions, and has carefully prepared the Proposal from the Request for Proposal with Instructions to Proposers, the Environmental Inspection Reports, the General Specifications and Conditions, and any City furnished data, and checked the same in detail before submitting this Proposal. The undersigned also deposes and states that the statements contained in this Affidavit are true and correct.

Signed:_____

Typed Name:_____

Title:_____

Date:_____

STATE OF _____)
:SS.
COUNTY OF _____)

Subscribed and sworn to before me this _____
day of_____, 20_____.

_____
Signature

_____
Print Name

Notary Public, _____ County,_____
My Commission expires/is:_____

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LIST OF SUBCONTRACTORS AND MAJOR MATERIAL SUPPLIERS

NAME AND ADDRESS:	CLASS OF WORK TO BE PERFORMED:

NOTE:

1. Asbestos removal and disposal subcontractors, the disposal sites, and the Federal/ State License/Permit Number of the disposal sites must be listed above.

2. The above list cannot be altered after submission without the written consent of the City.

CONTRACT TO REMOVE AND DISPOSE
OF ASBESTOS CONTAINING MATERIAL

PROJECT NO. 05-18

Between

THE CITY OF KENOSHA, WISCONSIN
A Wisconsin Municipal Corporation

And

_____

_____

This Contract to Remove and Dispose of Asbestos Containing Material ("Contract") effective as of the last date of execution is entered into between the City of Kenosha, Wisconsin, a Wisconsin municipal corporation, duly organized and existing under the laws of the State of Wisconsin, with offices located at 625 52nd Street, Kenosha, Wisconsin 53140 ("City") and _____, _____, with offices located at _____ ("Contractor"), collectively referred to as the Parties.

W I T N E S S E T H:

Whereas, the Contractor has submitted a written Proposal to the City to remove and dispose of asbestos containing material according to the Request for Proposal with Instructions to Proposers, the Environmental Inspection Reports, and the General Specifications and Conditions contained in the Request for Proposal, and the City has accepted the Contractor's Proposal, subject to the Contractor entering into and abiding by the terms and conditions of this Contract.

Now, Therefore, in consideration of the mutual undertakings, promises, agreements, understandings and undertakings hereinafter set forth, and good and valuable consideration, the sufficiency of which is hereby acknowledged, the City and the Contractor agree as follows:

1. Definitions.

a. City shall mean the City of Kenosha, Wisconsin.

b. Contract shall mean this executed Contract and shall include the following documents:

- Request for Proposal with Instructions to Proposers
- Environmental Inspection Reports
- General Specifications and Conditions
- Proposal

- Affidavit of Organization and Authority and Careful Inspection of Site and Preparation of Proposal
- Performance and Payment Bond
- List of Subcontractors and Major Material Suppliers
- Certificates of Insurance
- State Notifications and Approvals
- Determinations of City Representative in Charge of Project
- Affidavit Respecting Construction Lien Waivers/Releases
- Change Orders
- Contract notices and such other documents as are referenced herein.

Any of the foregoing documents which are not physically attached to this Contract are on file in the Finance Department and are incorporated into this Contract by reference.

c. Contractor shall mean the party who proposed to do the Work herein described and whose Proposal was accepted by the City. Contractor shall also mean any approved subcontractors and major material suppliers.

d. Director shall mean the City's Director of Community Development and Inspections, or his or her designee.

e. Overpayment shall mean any money the Contractor received which the Contractor was not entitled to receive under this Contract, including, but not limited to, excess payment made in error and payment for defective and/or rejected Work which was redone or replaced and accepted by the City.

f. Work shall mean any contractual endeavor undertaken by the Contractor and/or any of the Contractor's approved subcontractors and major material suppliers to accomplish the removal and disposal of all Category I, Category II, and Regulated Asbestos Containing Material (R.A.C.M.) from the specified structures all in accordance with the Request for Proposal with Instructions to Proposers, the Environmental Inspection Reports, and the General Specifications and Conditions contained in the Request for Proposal.

2. Work To Be Performed By Contractor And Price/Cost.

The Contractor, for the sum of_____, ($_____), will perform and complete, or will cause to be performed and completed, all the Work defined in this Contract, in a good and workmanlike manner, and it will do so in accordance with and subject to the provisions of this Contract for:

Address:	912 47th Street
Parcel Identification No.	12-223-31-131-013
Description:	Two story, one unit residential wood framed structure consisting of approximately 1,056 square feet with a basement and attic.
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Address:	4811 37th Avenue
Parcel Identification No.	09-222-36-231-011
	Two story, four unit residential wood framed structure with lower brick consisting of approximately 3,250 square feet with a basement and attic.

The Work shall be performed in accordance with the Request for Proposal with Instructions to Proposers, the Environmental Inspection Reports, and the General Specifications and Conditions contained in the Request for Proposal. In the event of a conflict between this Contract, the Environmental Inspection Reports, and the General Specifications and Conditions, the Environmental Inspection Reports, and the General Specifications and Conditions shall control and supersede any inconsistent Contract provision.

3. Commencement And Diligent Prosecution Of Work.

The Contractor will prosecute the Work diligently until fully complete in accordance with this Contract. The Contractor shall obtain required permits and commence with the Work no later than five (5) calendar days of notification of execution of the Contract with directions to proceed from the City. The Work is to be completed within Thirty (30) days of notification of execution of the Contract with directions to proceed from the City. In the event of a dispute respecting quantity or quality of the Work, the Contractor shall not refuse to perform the Work and shall not delay the performance of the Work pending the resolution of said dispute. Arbitration is not herein provided for and unresolved disputes may be settled through the Courts. The Contractor has the duty of requesting an extension of time to complete the Work from the Director, in writing, prior to the time for Contract completion, where the progress of the Work was delayed such that the Work will not be completed on time, and the Contractor was

not responsible for such delay. Should the Director grant an extension, the Contractor will not be liable for liquidated damages arising out of the delay. Should the Director determine that the Work will not be completed on schedule through normal methods and where no request for a time extension has been requested, or if requested, such request was not justified, the Director shall provide the Contractor with written notice requiring the Contractor to take such extraordinary measures as may be required to complete the Work on time, or as close to on time as possible. The failure of the Contractor to take such extraordinary measures shall be grounds for the City to suspend the Work by the Contractor and take such other measures as will assure completion of the Work within the Contract time, or if that is impossible, within a reasonable time. However, nothing herein contained shall prevent the Director from stopping the Contractor from proceeding with the Work beyond the time set for the completion date where the completion date was not extended.

4. Contract Term.

The term of this Contract shall be from the last date of execution until each of the following:

a. Respecting Work, until completion and acceptance.
b. Respecting Warranty, until expiration of warranty term.
c. Respecting Indemnity and Hold Harmless Agreement and Liability Insurance, until claims filed, if any, are resolved, or expiration of any applicable statute of limitations where no claims have been filed.

5. Termination For Cause.

In the event either Party should fail to fulfill in a timely manner its obligations under this Contract, the non-breaching Party shall thereupon have the right to terminate this Contract by giving a ten (10) day written notice to the breaching Party of such breach and specifying the date of the termination if the breaching Party has not timely rectified and remedied the purported breach to the satisfaction of the Party that gave notice of the breach. The Contractor shall perform no new or additional Work upon receipt of a notice of termination without the advance, written permission of the Director, except as necessary to cure the default, but not beyond the specified date of termination.

6. Performance And Payment Bond/Assurance.

The Contractor shall prior to approval of the Contract obtain a Performance and Payment Bond or other assurance required by the City, in a form approved by the City, in the sum of the accepted Proposal. The Contractor understands that the City may file a claim against the bond or assurance should any of the provisions of this Contract not be faithfully and timely performed by the Contractor.

7. Director Decision Final.

Should any dispute arise at any time between the Contractor and the City as to the true meaning or requirements of this Contract, the manner of execution of the Work, the quality of the Work executed, the quality or quantity of materials used, or the timely completion of the Work, the decision of the Director shall be final and conclusive until and unless set aside by a Court of law. The Contractor agrees that should any decision of the Director be challenged in Court, the Court may only set aside a decision of the Director if it is wholly arbitrary and capricious and/or made in complete disregard of disputed facts.

8. Methods, Labor, Equipment, Materials And Supplies.

The Contractor shall select such methods and equipment for the performance of all operations connected with the Work as will assure professional quality of the Work and a rate of progress which will assure the timely completion of the Work. The Contractor is responsible for furnishing all labor, equipment, material and supplies required to perform the Work.

9. Suspension Of Work By The City.

The Director shall have the authority to suspend the Work where the Director believes that the Contractor is not performing the Work in accordance with this Contract. The Contractor shall have no right to additional compensation for delay or a right to an extension of time to complete the Work where the Work is suspended by the Director.

10. Injunctions.

Should a preliminary or temporary injunction suspend the Work for a period of time, the deadline for completion of the Work shall be extended by such time as the preliminary or temporary injunction was in effect. In the event a permanent injunction or Court order or judgment prohibits the Work, this Contract shall be null and void as of the date such injunction, Court order or judgment becomes final, although the Contractor shall be entitled to reasonable compensation for the Work performed to that date. In the event a permanent injunction, Court order or judgment reduces the scope of the Work, this Contract shall be deemed modified in accordance therewith and compensation of the Contractor shall be proportionately reduced to reflect the decrease in the scope of the Work.

11. Change Orders For Additional Work, Adjustment In Price.

The Contractor does not have the discretion to refuse to comply with a Change Order to increase the scope of the Work identified in the City's Request for Proposal with Instructions to Proposers. Increases in the scope of the Work shall result in a determination of the Contractor's additional compensation based upon good faith negotiation, with the Contract as a guideline. Change Orders must be approved by

the City and the Contractor, and upon approval and execution shall be considered a Contract amendment to be kept on file in City Department of Finance and incorporated into this Contract by reference. Should the Contractor refuse to sign a Change Order under circumstances where there is no discretion to do so, the Change Order will be in full force and effect without the Contractor's signature, provided the Director attaches thereto a written report so indicating.

12. Claims And Deadlines For Additional Compensation.

Any claim by the Contractor for additional compensation arising out of circumstances not covered by this Contract shall be submitted, in written form, to the Director within fourteen (14) calendar days of the event giving rise to or forming the basis for such claim, or be deemed forever waived. When the claim for additional compensation involves the Work which will be covered and unavailable for inspection within said fourteen (14) day period of time, the Contractor shall promptly provide the Director with informal notice and an opportunity for inspection although a formal claim need not be filed earlier than as above provided. The Contractor further has a duty to, from time to time, notify the Director of any facts or events which may lead to a claim for additional compensation as soon as the Contractor is aware of such facts or events.

13. Waiver Of Rights.

No failure to exercise, or delay in exercising, any right, power or remedy hereunder on the part of either Party shall operate as a waiver thereof, nor shall any single or partial exercise of any other right, power or remedy preclude any other further exercise thereof or the exercise of any other right, power or remedy. No express waiver shall affect any event of default other than the event of default specified in such waiver, and any such waiver, to be effective, must be in writing and shall be operative only for the time and to the extent expressly provided therein. A waiver of any covenant, term or condition contained herein shall not be construed as a waiver of any subsequent breach of the same covenant, term or condition.

14. Subcontractors, Major Material Suppliers, And Disposal Sites.

The Contractor will only use subcontractors, major material suppliers and disposal sites which are listed in this Contract. Major material suppliers shall be those providing over $5,000.00 in materials. Any changes in said list must be approved by the City. The Contractor is responsible for the Work of subcontractors and/or suppliers and for delays in the Work occasioned thereby. The Contractor has a duty to remove and replace subcontractors and/or suppliers whose involvement in the Work will result in a breach of this Contract. Furthermore, should the Director determine the involvement of the subcontractors and/or suppliers in the Work will result in a breach of the Contract, the Director shall have the right, in writing, to compel the Contractor to remove and replace said subcontractors and/or suppliers. Should the Contractor fail to comply with the requirements of providing notice or

removing and replacing subcontractors and/or suppliers, the City shall have the option to declare the Contractor in breach and exercise the City's rights pursuant to Section 27 of this Contract.

15. Control And Protection Of Work Site.

The Contractor shall be responsible for the control and protection of the Work site from commencement of the Work until the Work is completed. The Contractor shall keep the site secure and inaccessible to the public.

16. City Cooperation.

City will reasonably cooperate with the Contractor to facilitate the Contractor's performance of the Work. The Contractor will provide reasonable notice to the City when the assistance thereof is requested. However, the City has no obligation to supervise or perform any part of the Work.

17. Governmental Permits And Approvals.

The Contractor is fully responsible, at the Contractor's cost and expense, to obtain such permits and approvals as may be required from any governmental body, including the City, as a precondition to the performance of the Work, including, but not limited to, permits to temporarily obstruct streets and asbestos removal permits from the Wisconsin Department of Natural Resources where an exemption is not applicable.

18. Law, Rules And Regulations.

The Contractor shall comply with all Federal, State and local laws, rules, regulations and codes applicable to the performance of this Contract and the Work including, but not limited to, any requirements imposed by the Wisconsin Department of Natural Resources.

19. Contractor's Employees And On-Site Representatives.

Although the Contractor performs the Work as an independent contractor, the Director shall have the right to request the Contractor to remove and replace any of the Contractor's employees involved in the Work when said employee does not furnish quality workmanship or is uncooperative with or disrespectful to any City personnel associated with the Work. The Contractor shall comply with any reasonable request. The Contractor, at all times the Work is being performed, shall assign an employee or agent on the Work site to be the person to whom the Director may furnish instructions or orders, or make inquiries of at all times when the Work is being performed. The name of such employee or agent shall be submitted to the Director, in writing, upon commencement of the Work.

20. Water Use.

The Contractor has the obligation to make arrangements with the Kenosha Water Utility for the use of water and may not use any Kenosha Water Utility hydrants or other water source without making arrangements in advance. The Contractor, where water is required, will be required to obtain a Hydrant Permit and meter from the Kenosha Water Utility, 4401 Green Bay Road. Any deposit and fee shall be paid by the Contractor.

21. Sanitation And Health.

The Contractor has the obligation of arranging for drinking water and sanitary conveniences for employees, subcontractors, suppliers, and agents thereof and for taking such Work site precautions as will deter the spread of infectious diseases. The Contractor shall not use materials in such manner as to pose a health hazard. The Contractor shall obey all lawful orders received from a County Health Department Sanitarian, or from any duly authorized employee of any Federal or State agency having jurisdiction over employee, public health, safety or welfare.

22. Inspection.

The City has the right, at its cost and expense, to assign or retain inspectors to determine that the Work is in conformance with the Contract. However, only the Director can reject the Work. The use of inspectors by the City shall not relieve the Contractor of the duty of making its own inspections and of itself rejecting improper or defective Work by its employees, subcontractors, suppliers and agents. The failure of a City inspector to notice or reject improper or defective Work shall not waive any rights of the Director to have the Contractor take corrective action at the Contractor's cost and expense to remedy such deficiencies or defects when discovered. The use of inspectors by the City shall not relieve the Contractor of its duty to maintain a safe workplace.

23. Workmanship.

The removal and disposal of Category I, Category II and Regulated Asbestos Containing Material shall be performed in accordance with all Federal, State and local laws, rules and regulations, including but not limited to the National Emission Standards for Hazardous Air Pollutants (NESHAP). Equipment and procedures used must be suitable to and compatible with the nature of the Work, the Work site, and the prevailing year round weather conditions which affect the Work and the Work site.

24. Cleanup.

The Contractor shall at all times keep the site and off-site areas related to the Work, including all right-of-ways, streets, highways, alleys and private or public property

adjacent to the Work site, in a clean and sanitary condition, free from any rubbish, debris, surplus or waste materials that have accumulated as a result of the Work. Within ten (10) days after the completion of the Work, the Contractor shall remove all surplus materials, tools, equipment or plants, leaving the Work site and off-site areas related to the Work, unobstructed, clean and sanitary, ready for their intended use and in as safe a condition as their nature will reasonably permit. Should the Contractor neglect any such duty, the Director may cause any such Work to be performed at the Contractor's cost and expense.

25. Payment Of Employees, Subcontractors And Suppliers.

The Contractor shall promptly pay all employees, subcontractors and suppliers for all the Work, labor, services, supplies or materials which they may directly or indirectly furnish in the fulfillment of this Contract and the Contractor shall secure, as soon as possible, a waiver of liens or the release of any and all liens which may attach as a result of the Work. The Contractor, as a condition of payment, shall execute and file an Affidavit Respecting Construction Lien Waivers/Releases with the City Director of Finance.

26. Liquidated Damages For Delays In Contract Completion.

In the event that the Contractor fails to complete the Work within the time the Work is requested to be completed or any extension of time for completion of the Work granted by the Director, the Contractor shall pay to the City for such delay the sum of Two Hundred ($200.00) Dollars per day, for each and every day's delay in completing the Work. This sum shall be considered and treated not as a penalty, but as fixed, agreed and liquidated damages due the City from the Contractor.

27. Rights Of City Upon Contractor Default.

The Contractor recognizes the right of the City to suspend the Work, to order the revision of nonconforming Work, to re-let all or part of the Work or to itself perform such Work as may be required to ensure the timely completion of the Work or to replace improper or defective Work, as determined necessary by the Director. However, none of the above shall relieve the Contractor of its obligations under this Contract.

28. Overpayments And Setoffs Unrelated To Contract.

The Contractor will promptly, upon receipt of written demand from the Director, refund any overpayments received. Should the Contractor not comply with said demand within thirty (30) days of receipt of the written demand, the Contractor shall pay the City interest for said amount at the rate of one (1%) percent per month on the unpaid balance, until paid in full. Should the Contractor owe the City any money which is lawfully due and payable on any account receivable or on any personal property tax, forfeiture or fee, whether or not related to the Work under

this Contract, the Contractor authorizes the City to deduct said amount from any payment due the Contractor hereunder.

29. Safety Precautions.

The Contractor, during the performance of the Work, shall assume control of the Work site and put up and properly maintain, at the Contractor's cost and expense, adequate barriers, warning signs, lights and such other devices and take such measures as will make the Work site as safe as the nature of the premises will reasonably permit to protect frequenters as well as persons using abutting private or public property, from any and all dangers associated with the Work, during both day and night hours. The Director may order the Contractor, by a time or date certain, to take designated safety measures and the failure of the Contractor to promptly obey said order shall result in a penalty of One Hundred ($100.00) Dollars per day for each day said order is not complied with. The Contractor shall be fully responsible for making the Work site as safe as its nature will reasonably permit and may not rely upon any inspections, instructions or orders of the Director or the City inspectors or lack thereof, in this regard. The Contractor has an obligation to check warning and safety devices on a daily basis. In the event of termination of this Contract prior to completion of the Work, the Contractor shall continue to be responsible for maintaining the safety of the Work site until relieved of the obligation by the Director or until another contractor takes possession of the Work site.

30. Payment – Acceptance Of Work.

Payment shall be made by the City upon completion of the Work and submission of invoice to the City's Director of Finance, within fifteen (15) days after the Director executed a document accepting the Work as being performed in accordance with this Contract, subject to the following:

Payment will not be made for so long as any order made to the Contractor by the Director seeking compliance with this Contract is not complied with. Payment will be reduced by the amount of any claim which the City may have against the Contractor for (i) improper, defective or rejected Work, (ii) liquidated damages due to delay in the schedule of time for the Work completion, (iii) failing to take safety precaution, (iv) the amount of set-offs authorized by this Contract, or (v) any other primary liability of the Contractor for which the City could be secondarily liable, which secondary liability was not assumed by the City under this Contract. The Work shall not be accepted by the Director until all employees, subcontractors and suppliers have been fully paid for all labor, services, supplies or materials provided thereby, and lien waivers or releases have been obtained and filed with the City's Department of Community Development and Inspections.

31. Independent Contractors, Worker's And Unemployment Compensation.

The Contractor acknowledges that it is an independent contractor and that its employees and agents are not the employees of the City for purposes of Worker's and Unemployment Compensation or any other purpose. The Contractor shall be responsible for Worker's and Unemployment Compensation with respect to its employees.

32. Prohibitions As To Assignment, Subcontracting And Joint Ventures.

The Contractor may not assign this Contract, enter into a joint enterprise or subcontract any Work without the express written approval of the Director and the City is not liable for any costs and expenses arising therefrom. Listed subcontractors, major material suppliers, and disposal sites are excepted from this prohibition. An unlawful assignment, joint enterprise or subcontract shall render this Contract voidable by the Director as of the date thereof, and the City will not be obligated to pay to the Contractor any money for any of the Work performed by an unauthorized party. However, if this Contract is voided, the Contractor will continue to be responsible for maintaining the safety of the Work site until relieved of this obligation by the Director or until another Contractor takes possession of the Work site. The Contractor will be responsible for any cost, loss, expense or damages, including actual attorneys fees, the City may incur in enforcing this provision.

33. Indemnification And Hold Harmless.

The Contractor agrees that it will, at all times relevant to this Contract, defend, indemnify and hold harmless, the City, its officers, agents, employees and representatives, from and against any and all liability, loss, injury, charges, damages, claims, judgments, costs, expenses or attorneys fees, which they may hereafter sustain, incur or be required to pay as a result of any action taken or not taken by the City or its officers, agents, employees or representatives to supervise or oversee the adequacy of safety precautions taken by the Contractor or as a result of the willful or negligent act or omission of the Contractor and its subcontractors, suppliers, assigns, employees, officers, agents or representatives, resulting in any person or party suffering or sustaining personal injury, death or property loss or damage, or a violation of any other right protected by law.

34. Insurance.

The Contractor and subcontractors shall procure and maintain during the Contract term the minimum insurance coverages listed below, issued by a company licensed to do business in the State of Wisconsin, having a minimum AM Best Financial Strength Rating of "A" or better. The minimum insurance coverages listed below shall be verified by a Certificate of Insurance issued to the City of Kenosha as Certificate Holder and shall provide that should any of the described policies be

canceled for any reason or any material changes are made, the issuing insurer will mail thirty (30) days written notice to the City before any cancellation or material change takes effect. The City shall be named as an additional insured with respect to the coverages required by Sections 34(a), 34(b), 34(c) and 34(e) listed below and the City shall be provided with the endorsements certifying that the City is an additional insured with respect to said policies. The coverages required by Sections 34(a), 34(b), 34(c) and 34(e) listed below shall be primary and any insurance, self-insurance or other coverage maintained by the City shall not contribute to it. The Contractor shall provide the City with a primary insurance endorsement certifying that the insurance coverages listed below are provided on a primary and noncontributory basis. The Contractor shall also provide the City with a waiver of subrogation endorsement.

The following minimum insurance coverages must be in effect and continue in effect during the Contract term:

a) Commercial General Liability
$1,000,000.00 Each Occurrence
$2,000,000.00 Aggregate

b) Automobile Liability (owned, non-owned, leased)
$1,000,000.00 Combined Single Limit

c) Pollution Legal Liability
$2,000,000.00 Each Loss

d) Worker's Compensation: Statutory Limits
Employer's Liability
$100,000.00 Each Accident
$100,000.00 Disease, Each Employee
$500,000.00 Disease, Policy Limit

e) Umbrella Liability
$3,000,000.00. The umbrella liability policy shall not contain any exclusions or exceptions not identified in the Commercial General Liability, Automobile Liability or Pollution Legal Liability policies.

35. Cooperation.

The Contractor shall cooperate with representatives of any and all Local, Federal or State agencies having authority over the Work. Further, although the Contractor has possession of the Work site, the Contractor shall permit City employees and representatives, and employees and representatives of any Federal or State agency to have reasonable access to the Work site at all times.

36. Severability.

It is mutually agreed that in case any provision of this Contract is determined by a Court of law to be unconstitutional, illegal or unenforceable, it is the intention of the Parties that all other provisions of this Contract shall remain in full force and effect.

37. Nondiscrimination.

In the performance of the Work under this Contract, the Contractor agrees not to discriminate against any employee or applicant for employment contrary to any Federal, State or local law, rule or regulation, because of race, religion, marital status, age, creed, color, sex, handicap, national origin, or ancestry, sexual orientation, income level or source of income, arrest record or conviction record, less than honorable discharge, physical appearance, political beliefs or student status. The Work is to be performed in accordance with the Federal Americans With Disabilities Act.

38. No Third Party Beneficiaries.

This Contract is intended to be solely for the benefit of the Parties hereto. No part of this Contract shall be construed to add, supplement, amend, abridge or repeal existing rights, benefits or privileges of any third party or parties, including, but not limited to, employees of either of the Parties.

39. Full Agreement – Modification.

This Contract shall be the full and complete agreement and understanding of the Parties and shall supersede all oral or written statements or documents inconsistent herewith. This Contract can only be modified, in writing, by the mutual agreement of the Parties hereto, said amendment to be attached hereto and incorporated herein.

40. Notices.

Any notice required to be given to any Party to this Contract shall be in writing and delivered either by hand or certified mail, return receipt requested, to the addresses indicated below, or such address as the Parties indicate in writing. Notice shall be effective as of the date of delivery if by hand, or mailing if by certified mail.

If to Contractor:

_____
_____
_____
Attention: _____

If to City:

Director of Community Development and Inspections
Municipal Building, Room 308
625-52nd Street
Kenosha, Wisconsin 53140

With a copy to:

Office of the City Attorney
Municipal Building, Room 201
625 52nd Street
Kenosha, Wisconsin 53140

And

Department of Finance
Municipal Building, Room 208
625 52nd Street
Kenosha, Wisconsin 53140

41. Execution Authority.

Each of the undersigned hereby represents and warrants that: (a) such Party has all requisite power to execute this Contract: (b) the execution and delivery of this Contract by the undersigned, and the performance of its terms thereby have been duly and validly authorized and approved by all requisite action required by law; and (c) this Contract constitutes the valid and binding agreement of the undersigned, enforceable against each of them in accordance with the terms of this Contract.

Signature pages follow

In Witness Whereof, the parties hereto have hereunto executed this Contract on the dates below given.

CITY OF KENOSHA, WISCONSIN
A Wisconsin Municipal Corporation

By:_____
JOHN M. ANTARAMIAN, Mayor

Date: _____

By:_____
DEBRA SALAS, City Clerk/Treasurer

Date:_____

STATE OF WISCONSIN)
: SS.
COUNTY OF KENOSHA)

Personally came before me this _____day of _____, 201_ , John M. Antaramian, Mayor, and Debra Salas, City Clerk/Treasurer of the City of Kenosha, Wisconsin, a Wisconsin municipal corporation, to me known to be such Mayor and City Clerk/Treasurer of said municipal corporation, and acknowledged to me that they executed the foregoing instrument as such officers as the Contract of said municipal corporation, by its authority.

_____
Print Name:_____
Notary Public, Kenosha County, WI.
My Commission expires/is:_____

_____
_____

BY:_____
_____

Date: _____

STATE OF WISCONSIN)
: SS.
COUNTY OF _____)

Personally came before me this_____ day of _____ , 201_, _____ _____, to me known to be such _____ _____ of said _____, and acknowledged to me that he/she executed the foregoing instrument as such _____ as the contract of said _____, by its authority.

_____
Print Name:_____
Notary Public, _____ County, WI.
My Commission expires/is:_____

PROJECT NO. 05-18

PERFORMANCE AND PAYMENT BOND

$_____

BY: (Principal) _____

To And For The Benefit Of
The City of Kenosha, Wisconsin

Know All Men By These Presents, that we,

_____

_____

_____

as Principal, and _____, (Surety), are held and firmly bound unto the City of Kenosha, Wisconsin, a municipal corporation as Obligee in the full and just sum of _____, ($_____), lawful money of the United States, to the payment of which sum, well and truly to be made, the Principal and Surety bind themselves and each of their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has entered into a written Contract with the Obligee for the above project, which Contract is hereby referred to and made a part hereof as fully and to the same extent as if copied at length herein.

NOW, THEREFORE, the condition of this obligation is such that if the Principal shall faithfully perform said Contract according to its terms, covenants and conditions and shall promptly pay all persons supplying labor or material to the Principal for use in the prosecution of the work under said Contract, then this obligation shall be void; otherwise it shall remain in full force and effect.

Subject to the named Obligee's priority, all persons who have supplied labor or material directly to the Principal for use in the prosecution of the work under said Contract shall have a direct right of action under this Bond.

The Surety's aggregate liability hereunder shall in no event exceed the amount set forth above.

No claim, suit or action shall be brought hereunder after the expiration of one (1) year following the date of City acceptance of the work on said Contract, or one (1) year following expiration of any warranty or guaranty covering the work and materials set forth under said Contract, whichever is longer. If this limitation is made void by any law controlling the construction hereof, such limitation shall be deemed to be amended to equal the minimum period of limitation permitted by such law.

Signed and dated at Kenosha, Wisconsin, this _____ day of _____, _____.

PRINCIPAL

_____ By:_____

Witness

Name:_____

Title:_____

SURETY

_____ By:_____

Witness

Name:_____

Title:_____

PERFORMANCE AND PAYMENT BOND

Examined and approved as to form and execution this ____ day of _____, ____.

By:_____

City Attorney

Print Name:_____

PROJECT NO. 05-18

AFFIDAVIT RESPECTING
CONSTRUCTION LIEN WAIVERS/RELEASES

STATE OF _____)
:SS
COUNTY OF _____)

Project Number: 05-18

Contractor: _____

I, _____, being duly sworn, state that:

1. I am an _____ (Officer, Manager, Member, Partner, Individual) of the Contractor, who is authorized to make this Affidavit on behalf thereof.

2. The Contractor has recently completed the Work required under the terms of its Contract for the above Project and makes this Affidavit to obtain final payment.

3. The following is a true, correct and complete listing of all subcontractors and major material suppliers (as defined in the Contract) who performed services or furnished material to the Contractor relative to the above Project.

NAME ADDRESS

_____
_____
_____
_____
_____
_____
_____

4. The Contractor has fully paid all subcontractors and material (whether major or minor) suppliers the amounts they are due and owing under their respective contracts and purchase orders and has obtained lien waivers or releases, which have been previously filed or are being filed with this Affidavit.

5. The Contractor has full and accurate records which clearly show the name and address of every subcontractor and material supplier used in connection with the Work on the Project, as well as the actual sums paid thereto. These records will be kept at the Contractor's principal place of business, as evidence of compliance set forth above, and will be retained and made available for inspection for a period of at least three (3) years following the completion of this Project and will not be removed from the Contractor's principal place of business without prior notification to the City Clerk of the City of Kenosha.

By:_____

Print Name:_____

Title:_____

Date:_____

STATE OF _____)
:SS.
COUNTY OF _____)

Subscribed and sworn to before me this _____
day of_____, 20_____.

_____
Signature

_____
Print Name

Notary Public, _____ County,_____
My Commission expires/is:_____

PROJECT NO. 05-18

CHANGE ORDER

Project Number: 05-18

Account Number: _____

Contractor: _____

Date of Common Council Action: _____

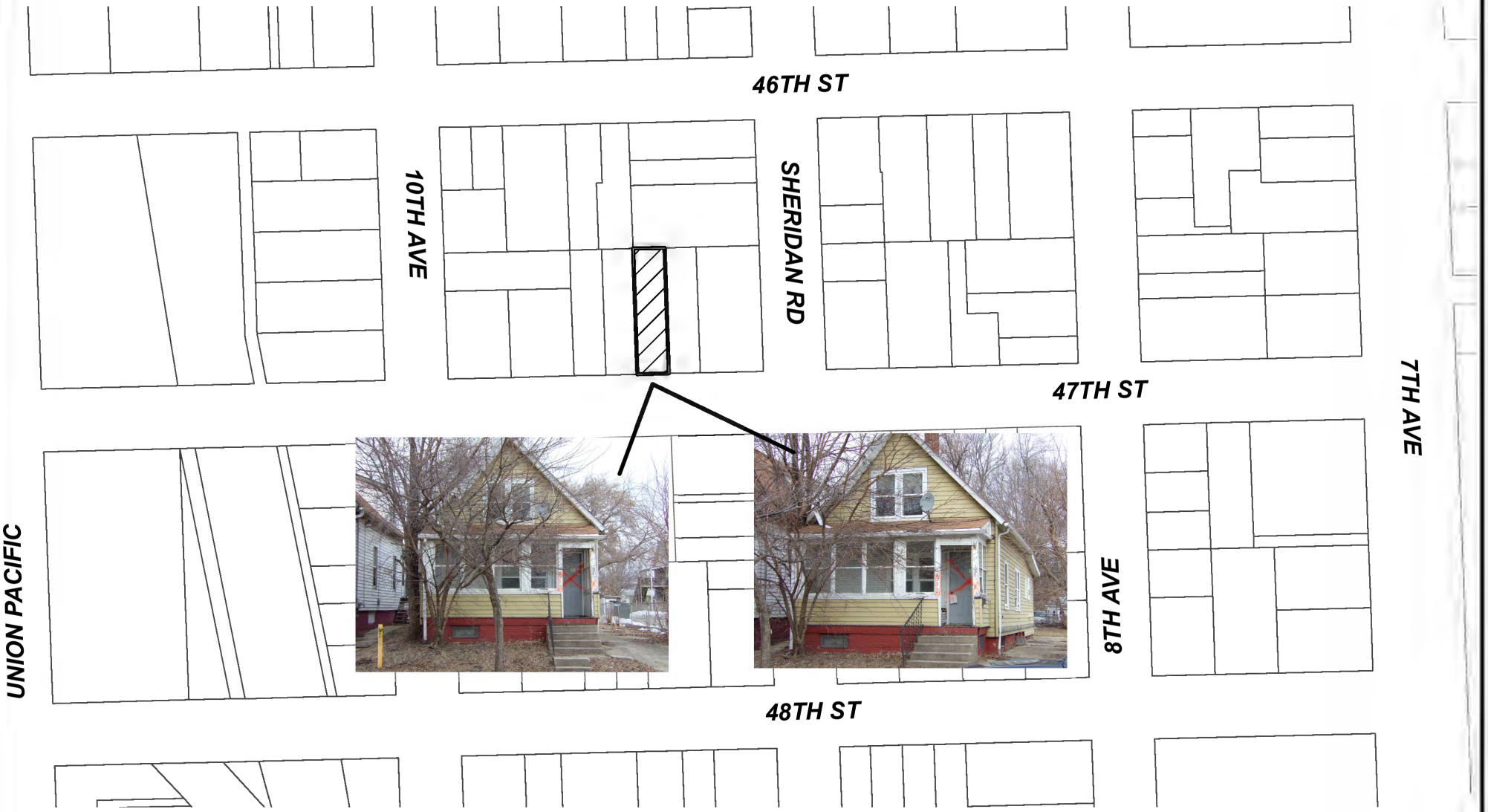
CITY and CONTRACTOR agree that the above Contract is amended by (increasing) (decreasing) the amount of the Contract by $_____ from $_____ to $_____. This amendment shall have the effect of (increasing) (decreasing) (not changing) the date of Project completion from _____ to _____.

This Change Order is approved by:

CONTRACTOR	CITY OF KENOSHA, MAYOR
By: _____	By: _____
Print Name: _____	Print Name: _____
Date: _____	Date: _____

City of Kenosha

General Location Map



Subject Property: 912 47th Street
PIN: 12-223-31-131-013

0 150
Feet

DCDI ~ Community Development Division ~ JBL ~ ZK ~ February 22, 2018 ~ mc

PRE-DEMOLITION INSPECTION REPORT
Job Site:

Single Family Residence
912 47th Street
Kenosha, Wisconsin

For:

City of Kenosha
Department of Community Development and Inspections
Municipal Building, Room 308
325 52nd Street
Kenosha, Wisconsin 53140

KPH Project # 18-400-001.912

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

KPH Environmental
1237 West Bruce Street
Milwaukee, Wisconsin 53204

January 2018

TABLE OF CONTENTS

Pre-Demolition Inspection Report
912 47th Street
Kenosha, Wisconsin

EXECUTIVE SUMMARY

KPH Environmental Corp (KPH), was retained by the City of Kenosha Department of Community Development and Inspections to conduct an inspection of the single family residence at 912 47th Street, Kenosha, Wisconsin, prior to demolition. KPH conducted a visual inspection for asbestos, potential lead painted recyclable surfaces, and universal wastes. KPH collected asbestos bulk samples and paint chip samples for laboratory analysis.

Asbestos was detected above the regulatory level of 1% in tar on the tar paper under the asphalt roof shingles, in roof flashing at the chimneys, and in 9" white floor tile and black mastic. It was detected at less than 1% in window glazing compound as verified by point counting. Asbestos containing materials were assumed to be in the electrical boxes.

Under state and federal laws, the caulk, roof flashing, floor tile, and stair tread may require abatement by a Wisconsin certified asbestos company prior to demolition. Asbestos containing materials were assumed to be in the electrical boxes and may also have to be abated prior to demolition. Other materials tested during the inspection do not contain asbestos. Results are in Section II of this report.

Paint sample testing revealed that lead was detected in interior and exterior samples. Lead based paint is on the basement exterior and interior walls.

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

I. INTRODUCTION

KPH Environmental Corp., (KPH) was retained by the City of Kenosha Department of Community Development and Inspections to conduct a pre-demolition inspection of the single family residence at 912 47th Street, Kenosha, Wisconsin, for the following:

- Suspect asbestos containing materials
- Suspect lead painted surfaces that could be recycled, such as brick, concrete block, concrete, and metal
- Universal wastes such as refrigerators, light bulbs and PCB containing light fixture ballasts

Zohrab Khaligian, the City of Kenosha, authorized KPH to conduct an inspection and to analyze samples collected during the inspection. The inspection of the building at 912 47th Street, Kenosha, Wisconsin, was conducted on January 17, 2018, to cover the items listed above. The inspection was conducted by Dean Jacobsen, Wisconsin Asbestos Inspector License No. 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 on the plumbing system and plaster walls and ceilings, sampling and documentation of any of these suspect materials, and quantification of observable and accessible positive materials existing within the spaces inspected that are planned for renovation.

An asbestos inspection involves inspecting all or part of a building (depending on the project scope) and identifying suspect asbestos containing materials. According to the USEPA, this includes all materials except wood, metal, fiberglass, and glass. 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 uses USEPA sampling protocols to collect 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 damage and 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 building as required by US EPA NESHAP regulation 40 CFR 61 Subpart M, and NR 447 of the Wisconsin Administrative Code:

- Asphalt shingle siding
- Caulk
- Paper insulation
- Brick/Mortar
- Asphalt roofing
- Roof flashing
- Window glazing compound
- Floor tile/mastic
- Linoleum/mastic
- Plaster
- Drywall/joint compound
- Texture
- Blown in insulation
- Flue packing

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 CEI Labs, Inc., of Cary, North Carolina, 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, crodcidolite, 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
1	Exterior – east wall under aluminum siding – asphalt shingle siding	Negative	MSS
2	Exterior – west wall under aluminum siding – asphalt shingle siding	Negative	MSS
3	Exterior – south wall under aluminum siding – asphalt shingle siding	Negative	MSS
4	Exterior – on east window – white caulk	Negative	MCLKw
5	Exterior – on east window – white caulk	Negative	MCLKw
6	Exterior – on west window – white caulk	Negative	MCLKw
7	Exterior – south wall under wood siding – paper insulation	Negative	MPI
8	Exterior – west wall under wood siding – paper insulation	Negative	MPI
9	Exterior – north wall under wood siding – paper insulation	Negative	MPI
10a	Exterior – basement level – southeast corner wall – brick	Negative	MBR
10b	Exterior – basement level – southeast corner wall – mortar	Negative	MBR
11a	Exterior – basement level – southwest corner wall – brick	Negative	MBR

Sample #	Location and Description	Results	Homogeneous Code
11b	Exterior – basement level – southwest corner wall – mortar	Negative	MBR
12a	Exterior – basement level – east corner wall – brick	Negative	MBR
12b	Exterior – basement level – east corner wall – mortar	Negative	MBR
13	Exterior – southeast corner on aluminum wall seam – tan caulk	Negative	MCLKt
14	Exterior – around west window – tan caulk	Negative	MCLKt
15	Exterior – around east window – tan caulk	Negative	MCLKt
16	Roof – west side top layer – brown and white asphalt shingle	Negative	MRSnw
17	Roof – southeast top layer – brown and white asphalt shingle	Negative	MRSnw
18	Roof – northeast top layer – brown and white asphalt shingle	Negative	MRSnw
19a	**Roof – west side 2nd layer – tar on tar paper**	**Positive 10% Chrysotile**	**MPT**
19b	Roof – west side bottom layer – tar paper	Negative	MPT
20	Not Analyzed Due to Prior Positive Sample	N/A	MPT
21	Not Analyzed Due to Prior Positive Sample	N/A	MPT
22	**Roof – at northwest chimney – tar flashing**	**Positive 10% Chrysotile**	**MRF**
23	Not Analyzed Due to Prior Positive Sample	N/A	MRF
24	Not Analyzed Due to Prior Positive Sample	N/A	MRF
25	Basement – on east window – glazing compound	Positive 2% Chrysotile	MPG
25	Point Count Result	Trace 0.18% Chrysotile	MPG
26	Not Analyzed Due to Prior Positive Sample	N/A	MPG
27	Not Analyzed Due to Prior Positive Sample	N/A	MPG
28a	1st floor – kitchen north side – 3rd layer – 12" red and gray floor tile	Negative	MF12ry
28b	1st floor – kitchen north side – 3rd layer – under 12" red and gray floor tile – yellow mastic	Negative	MF12ry
28c	1st floor – kitchen north side – 4th layer – 12" gold floor tile	Negative	MF12d
28d	1st floor – kitchen north side – 4th layer – under 12" gold floor tile – tan mastic	Negative	MF12d
28e	**1st floor – kitchen north side – 5th layer – 9" white floor tile**	**Positive 3% Chrysotile**	**MF9w**
28f	**1st floor – kitchen north side – 5th layer – under 9" white floor tile – black mastic**	**Positive 10% Chrysotile**	**MF9w**
29a	1st floor – kitchen west side – 3rd layer – 12" red and gray floor tile	Negative	MF12ry
29b	1st floor – kitchen west side – 3rd layer – under 12" red and gray floor tile – yellow mastic	Negative	MF12ry
29c	1st floor – kitchen west side – 4th layer – 12" gold floor tile	Negative	MF12d
29d	1st floor – kitchen west side – 4th layer – under 12" gold floor tile – tan mastic	Negative	MF12d
29e	Not Analyzed Due to Prior Positive Sample	N/A	MF12w
29f	Not Analyzed Due to Prior Positive Sample	N/A	MF12w

Sample #	Location and Description	Results	Homogeneous Code
30a	1st floor – kitchen east side – 3rd layer – 12" red and gray floor tile	Negative	MF12ry
30b	1st floor – kitchen east side – 3rd layer – under 12" red and gray floor tile – yellow mastic	Negative	MF12ry
30c	1st floor – kitchen east side – 4th layer – 12" gold floor tile	Negative	MF12d
30d	1st floor – kitchen west side – 4th layer – under 12" gold floor tile – tan mastic	Negative	MF12d
30e	Not Analyzed Due to Prior Positive Sample	N/A	MF12w
30f	Not Analyzed Due to Prior Positive Sample	N/A	MF12w
31	1st floor – kitchen north side – top layer – brown linoleum	Negative	MFLn
32	1st floor – kitchen east side – top layer – brown linoleum	Negative	MFLn
33	1st floor – front entry – brown linoleum	Negative	MFLn
34	1st floor – kitchen north side – 2nd layer – tan fiberboard	Negative	MFBt
35	1st floor – kitchen west side – 2nd layer – tan fiberboard	Negative	MFBt
36	1st floor – kitchen east side – 2nd layer – tan fiberboard	Negative	MFBt
37	1st floor – kitchen – west wall – plaster	Negative	SPl
38	1st floor – living room – east wall – plaster	Negative	SPl
39a	1st floor – bedroom – north wall – joint compound	Negative	SPl
39b	1st floor – bedroom – north wall – plaster	Negative	SPl
40a	2nd floor – north bedroom – west wall – joint compound	Negative	SPl
40b	2nd floor – north bedroom – west wall – plaster	Negative	SPl
41a	2nd floor – south bedroom – south wall – joint compound	Negative	SPl
41b	2nd floor – south bedroom – south wall – plaster	Negative	SPl
42	1st floor – kitchen – east wall – drywall/joint compound	Negative	MDW
43	1st floor – living room – north wall – drywall/joint compound	Negative	MDW
44	2nd floor – north bedroom – east wall patch – drywall/ joint compound	Negative	MDW
45a	1st floor – bathroom center – top layer – beige and black linoleum	Negative	MFLek
45b	1st floor – bathroom center – top layer – under beige and black linoleum – fiberboard	Negative	MFLek
46a	1st floor – bathroom north side – top layer – beige and black linoleum	Negative	MFLek
46b	1st floor – bathroom north side – top layer – under beige and black linoleum – fiberboard	Negative	MFLek
47a	1st floor – bathroom south side – top layer – beige and black linoleum	Negative	MFLek
47b	1st floor – bathroom south side – top layer – under beige and black linoleum – fiberboard	Negative	MFLek
48a	1st floor – bathroom center – bottom layer – 12" red floor tile	Negative	MF12r
48b	1st floor – bathroom center – bottom layer – under 12" red floor tile – tan mastic	Negative	MF12r
49a	1st floor – bathroom north side – bottom layer – 12" red floor tile	Negative	MF12r
49b	1st floor – bathroom north side – bottom layer – under 12" red floor tile – tan mastic	Negative	MF12r

Sample #	Location and Description	Results	Homogeneous Code
50a	1st floor – bathroom south side – bottom layer – 12" red floor tile	Negative	MF12r
50b	1st floor – bathroom south side – bottom layer – under 12" red floor tile – tan mastic	Negative	MF12r
51	1st floor – bathroom – west side on tub – cream caulk	Negative	MCLKc
52	1st floor – bathroom – east side on tub – cream caulk	Negative	MCLKc
53	1st floor – bathroom – north side on tub – cream caulk	Negative	MCLKc
54a	1st floor – bathroom – on floor at tub – beige caulk	Negative	MCLKe
54b	1st floor – bathroom – on floor at tub – yellow mastic	Negative	MCLKe
55a	1st floor – bathroom – on floor at tub – beige caulk	Negative	MCLKe
55b	1st floor – bathroom – on floor at tub – yellow mastic	Negative	MCLKe
56	1st floor – bathroom – on sink at wall – beige caulk	Negative	MCLKe
57a	1st floor – bathroom east wall – on tub surround wood trim – white layer	Negative	MCLKd
57b	1st floor – bathroom east wall – on tub surround wood trim – gold caulk	Negative	MCLKd
58a	1st floor – bathroom east wall – on tub surround wood trim – white layer	Negative	MCLKd
58b	1st floor – bathroom east wall – on tub surround wood trim – gold caulk	Negative	MCLKd
59a	1st floor – bathroom east wall – on tub surround wood trim – white layer	Negative	MCLKd
59b	1st floor – bathroom east wall – on tub surround wood trim – gold caulk	Negative	MCLKd
60	1st floor – bathroom – under tub surround east wall – tan mastic	Negative	MWMt
61	1st floor – bathroom – under tub surround north wall – tan mastic	Negative	MWMt
62	1st floor – bathroom – under tub surround west wall – tan mastic	Negative	MWMt
63	1st floor – living room – on south wall – texture	Negative	STX
64	1st floor – living room – on south wall – texture	Negative	STX
65	1st floor – living room – on east wall – texture	Negative	STX
66	Attic – center on floor – blown in insulation	Negative	MBI
67	Attic – north side on floor – blown in insulation	Negative	MBI
68	Attic – south side on floor – blown in insulation	Negative	MBI
69	Basement – north room – east wall – plaster #2	Negative	SPl2
70	Basement – center room – south wall – plaster #2	Negative	SPl2
71	Basement – center room – north wall – plaster #2	Negative	SPl2
72	Basement – center room – on north wall at flue pipe – flue packing	Negative	TFP
73	Basement – center room – on north wall at flue pipe – flue packing	Negative	TFP
74	Basement – center room – on north wall at flue pipe – flue packing	Negative	TFP

Homogeneous Material Codes

MSS	Asphalt Shingle Siding
MCLKw	White Caulk
MCLKt	Tan Caulk

Homogeneous Material Codes

MCLKc	Cream Caulk
MCLKe	Beige Caulk
MCLKd	Gold Caulk
MPI	Paper Insulation
MBR	Brick/Mortar
MRSnw	Brown & White Asphalt Shingle
MPT	Tar Paper
MRF	Roof Flashing
MPG	Glazing Compound
MF12ry	12" Red & Gray Floor Tile
MF12d	12" Gold Floor Tile
MF12r	12" Red Floor Tile
MF9w	9" White Floor Tile
MFLn	Brown Linoleum
MFLek	Beige & Black Linoleum
MFBt	Tan Fiberboard
MDW	Drywall/Joint Compound
MWMt	Tan Wall Mastic
MBI	Blown in Insulation
SPl	Plaster
SPl2	Plaster Basement
STX	Texture
TFP	Flue Packing

E. Asbestos Locations and Quantities

Three (3) of the materials sampled contain greater than 1% asbestos and are asbestos containing materials (ACM): tar on the roof tar paper, roof flashing, and 9" white floor tile and black mastic.

Material	Homogeneous Code	Location	Approximate Quantity	Condition
Tar on Roof Tar Paper	MPT	Roof Under Asphalt Shingles	920 SF	Fair
Roof Flashing	MRF	Roof at Chimneys	8 SF	Fair
9" White Floor Tile & Black Mastic	MF9w	Kitchen 5th Layer on Wood	180 SF	Fair

The tar on tar paper, roof flashing, and 9" white floor tile and black mastic are category I non-friable asbestos containing materials. They were in fair (non-friable) condition at the time of the inspection. If these materials are subjected to sanding, grinding, cutting or abrading during demolition, they would be then be defined as regulated asbestos containing material (RACM) under NR 447 of the Wisconsin Administrative Code.

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. If the category I non-friable asbestos containing materials 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.

The window glazing compound contains less than 1% asbestos as verified by the point count method, and by definition in NR 447 is not an ACM.

Assumed Asbestos Containing Materials

Material	Location	Approximate Quantity	Condition
Electrical Panels – Suspect Transite	Basement Electrical Box	1 Box	Good

A friable asbestos problem does not exist at the site.

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 and sampling testing at the single family residence at 912 47th Street, Kenosha, Wisconsin, took place on January 17, 2018. A room by room inspection was conducted of metal, block, brick, or concrete locations scheduled for demolition, noting the location, substrate, and color of these painted surfaces. Not all surfaces were sampled - Representative samples of paint were collected from painted surfaces representing different paint colors and substrates. The results apply only to those surfaces that were sampled.

The OSHA Lead in Construction regulation 29CFR 1926.62 applies whenever workers may be exposed to lead during construction work.

The inspection protocol in KPHs Building Inspection Standard Operating Procedures was used.

B. Component Testing Results

In an effort to develop a painting history of the building, specific component types were tested for the presence of lead in paint. Reference Paint Test Results below. The laboratory report is in Appendix B.

Interior: Single family residence at 912 47th Street, Kenosha, Wisconsin

- Painted brick was observed on the basement walls. Lead was detected in both samples. The white paint on the basement plaster/brick walls is lead based paint. The white paint on the stair brick walls contains lead but is below the 0.5% lead based paint standard.

Exterior: Single family residence at 912 47th Street, Kenosha, Wisconsin

- Painted brick was observed on basement walls. Lead was detected and the red paint on the brick walls is lead based paint.

The following are the laboratory results.

Paint Testing Results					
Sample	**Room**	**Component**	**Substrate**	**Color**	**Result (% Lead)**
P01	**Exterior**	**East Basement Wall**	**Brick**	**Red**	**2.9**
P02	Basement Stair	South Wall	Brick	White	0.18
P03	**Basement North Room**	**South Wall**	**Plaster/Brick**	**White**	**2.0**

Where lead in paint is known or suspected, the owner and contractors must follow the OSHA lead in construction regulation 29CFR 1926.62. This applies if any amount of lead is present, not just for lead based paint (>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.

KPH recommends that U.S. EPA 40CFR 745 and Wisconsin DHS 163 lead safe renovation procedures be followed to contain and properly clean up any lead dust created during renovation.

According to the WDNR Concrete Recycling and Disposal Fact Sheet, building materials from remodeling or demolition debris that contain lead based paint are considered a solid waste. They may not be recycled unless an exemption is obtained from the Department (DNR Form 4400-274).

IV. UNIVERSAL WASTES

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

Material	Location	Approximate Quantity
Fluorescent Bulbs-Mercury	Kitchen	1 Tube
Fluorescent Ballasts-PCB	Kitchen	1
Thermostat-Mercury	Living Room	1
Paint	Kitchen	2 Gallons
Furnace-Mercury Switch	Basement	1 Furnace
Water Heater-Mercury Switch	Basement	1 Heater

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 its 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 some 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 painted locations that were sampled on the building. This report represents the condition of the building and the visible/accessible locations sampled 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 Kenosha. 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

ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

KPH Environmental Corp

CLIENT PROJECT: Kenosha; 18-400-001.912

CEI LAB CODE: B18-0124

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 01/24/18

TOTAL SAMPLES ANALYZED: 68

SAMPLES >1% ASBESTOS: 5

TEL: 866-481-1412

www.ceilabs.com

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Kenosha; 18-400-001.912 **CEI LAB CODE:** B18-0124

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
1		B256575	Black,Red	Shingle	None Detected
2		B256576	Black,White	Shingle	None Detected
3		B256577	Black,Red	Shingle	None Detected
4		B256578	White,Gray	Caulk	None Detected
5		B256579	White,Gray	Caulk	None Detected
6		B256580	White,Gray	Caulk	None Detected
7		B256581	Tan	Paper	None Detected
8		B256582	Tan	Paper	None Detected
9		B256583	Tan	Paper	None Detected
10	Layer 1	B256584	Off-white	Brick	None Detected
	Layer 2	B256584	Gray	Mortar	None Detected
11	Layer 1	B256585	Off-white,Red	Brick	None Detected
	Layer 2	B256585	Gray,Red	Mortar	None Detected
12	Layer 1	B256586	Red	Brick	None Detected
	Layer 2	B256586	Gray,Red	Mortar	None Detected
13		B256587	Off-white,White	Caulk	None Detected
14		B256588	Off-white,White	Caulk	None Detected
15		B256589	Off-white,White	Caulk	None Detected
16		B256590	Black	Shingle	None Detected
17		B256591	Black,Tan	Shingle	None Detected
18		B256592	Black,Gray	Shingle	None Detected
19	Layer 1	B256593	Black	Tar	Chrysotile 10%
	Layer 2	B256593	Black	Paper	None Detected
20		B256594		Sample Not Analyzed per COC	
21		B256595		Sample Not Analyzed per COC	
22		B256596	Black	Flashing	Chrysotile 10%
23		B256597		Sample Not Analyzed per COC	
24		B256598		Sample Not Analyzed per COC	
25		B256599	Off-white	Glazing	Chrysotile 2%
26		B256600		Sample Not Analyzed per COC	
27		B256601		Sample Not Analyzed per COC	

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Kenosha; 18-400-001.912 **CEI LAB CODE:** B18-0124

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
28		B256602A	Red,Gray	Tile	None Detected
		B256602B	Yellow	Mastic	None Detected
		B256602C	Off-white,Gray	Tile	None Detected
		B256602D	Tan	Mastic	None Detected
		B256602E	White	Tile	Chrysotile 3%
		B256602F	Black	Mastic	Chrysotile 10%
29		B256603A	Red,Gray	Tile	None Detected
		B256603B	Yellow	Mastic	None Detected
		B256603C	Off-white,Gray	Tile	None Detected
		B256603D	Tan	Mastic	None Detected
		B256603E		Sample Not Analyzed per COC	
30		B256604A	Red,Gray	Tile	None Detected
		B256604B	Yellow	Mastic	None Detected
		B256604C	Off-white,Gray	Tile	None Detected
		B256604D	Tan	Mastic	None Detected
		B256604E		Sample Not Analyzed per COC	
31		B256605	Tan,Off-white	Linoleum	None Detected
32		B256606	Tan,Off-white	Linoleum	None Detected
33		B256607	Tan,Off-white	Linoleum	None Detected
34		B256608	Tan	Fiberboard	None Detected
35		B256609	Tan	Fiberboard	None Detected
36		B256610	Tan	Fiberboard	None Detected
37		B256611	White,Gray	Plaster	None Detected
38		B256612	White,Gray	Plaster	None Detected
39	Layer 1	B256613	White	Texture	None Detected
	Layer 2	B256613	Gray	Plaster	None Detected
40	Layer 1	B256614	White	Texture	None Detected
	Layer 2	B256614	Gray	Plaster	None Detected
41	Layer 1	B256615	White	Texture	None Detected
	Layer 2	B256615	Gray	Plaster	None Detected
42		B256616	White	Drywall/Joint Compound	None Detected

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Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Kenosha; 18-400-001.912 **CEI LAB CODE:** B18-0124

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
43		B256617	White	Drywall/Joint Compound	None Detected
44		B256618	White	Drywall/Joint Compound	None Detected
45	Layer 1	B256619	Off-white,Gray	Linoleum	None Detected
	Layer 2	B256619	Tan	Fibrous Material	None Detected
46	Layer 1	B256620	Off-white,Gray	Linoleum	None Detected
	Layer 2	B256620	Tan	Fibrous Material	None Detected
47	Layer 1	B256621	Off-white,Gray	Linoleum	None Detected
	Layer 2	B256621	Tan	Fibrous Material	None Detected
48		B256622A	Red,Gray	Tile	None Detected
		B256622B	Tan	Mastic	None Detected
49		B256623A	Red,Gray	Tile	None Detected
		B256623B	Tan,Brown	Mastic	None Detected
50		B256624A	Red,Gray	Tile	None Detected
		B256624B	Tan,Brown	Mastic	None Detected
51		B256625	White	Caulk	None Detected
52		B256626	White	Caulk	None Detected
53		B256627	White	Caulk	None Detected
54	Layer 1	B256628	White	Caulk	None Detected
	Layer 2	B256628	Yellow	Mastic	None Detected
55	Layer 1	B256629	White	Caulk	None Detected
	Layer 2	B256629	Yellow	Mastic	None Detected
56		B256630	White	Caulk	None Detected
57	Layer 1	B256631	White	Caulk	None Detected
	Layer 2	B256631	Clear	Caulk	None Detected
58	Layer 1	B256632	White	Caulk	None Detected
	Layer 2	B256632	Clear	Caulk	None Detected
59	Layer 1	B256633	White	Caulk	None Detected
	Layer 2	B256633	Clear	Caulk	None Detected
60		B256634	Yellow	Mastic	None Detected
61		B256635	Yellow	Mastic	None Detected
62		B256636	Yellow	Mastic	None Detected

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Kenosha; 18-400-001.912 **CEI LAB CODE:** B18-0124

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
63		B256637	Off-white	Texture	None Detected
64		B256638	Off-white	Texture	None Detected
65		B256639	Off-white	Texture	None Detected
66		B256640	Tan	Insulation	None Detected
67		B256641	Tan	Insulation	None Detected
68		B256642	Tan	Insulation	None Detected
69		B256643	White,Gray	Plaster	None Detected
70		B256644	White,Gray	Plaster	None Detected
71		B256645	White,Gray	Plaster	None Detected
72		B256646	White,Gray	Flue Pack	None Detected
73		B256647	White,Gray	Flue Pack	None Detected
74		B256648	White,Gray	Flue Pack	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: KPH Environmental Corp
1237 W Bruce St
Milwaukee, WI 53204

CEI Lab Code: B18-0124
Date Received: 01-19-18
Date Analyzed: 01-23-18
Date Reported: 01-24-18

Project: Kenosha; 18-400-001.912

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
1 B256575	Shingle	Heterogeneous Black,Red Fibrous Bound	35%	Cellulose	40% 25%	Tar Silicates	None Detected
2 B256576	Shingle	Heterogeneous Black,White Fibrous Bound	35%	Cellulose	40% 15% 10%	Tar Silicates Binder	None Detected
3 B256577	Shingle	Heterogeneous Black,Red Fibrous Bound	35%	Cellulose	40% 25%	Tar Silicates	None Detected
4 B256578	Caulk	Heterogeneous White,Gray Non-fibrous Bound			100%	Caulk	None Detected
5 B256579	Caulk	Heterogeneous White,Gray Non-fibrous Bound			100%	Caulk	None Detected
6 B256580	Caulk	Heterogeneous White,Gray Non-fibrous Bound			100%	Caulk	None Detected
7 B256581	Paper	Heterogeneous Tan Fibrous Bound	100%	Cellulose			None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
8 B256582	Paper	Heterogeneous Tan Fibrous Bound	100%	Cellulose			None Detected
9 B256583	Paper	Heterogeneous Tan Fibrous Bound	100%	Cellulose			None Detected
10 Layer 1 B256584	Brick	Heterogeneous Off-white Non-fibrous Bound			75% 25%	Binder Silicates	None Detected
Layer 2 B256584	Mortar	Heterogeneous Gray Non-fibrous Bound			25% 75%	Binder Silicates	None Detected
11 Layer 1 B256585	Brick	Heterogeneous Off-white,Red Non-fibrous Bound			75% 20% 5%	Binder Silicates Paint	None Detected
Layer 2 B256585	Mortar	Heterogeneous Gray,Red Non-fibrous Bound			20% 75% 5%	Binder Silicates Paint	None Detected
12 Layer 1 B256586	Brick	Heterogeneous Red Non-fibrous Bound			75% 20% 5%	Binder Silicates Paint	None Detected

ASBESTOS BULK ANALYSIS

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
Layer 2 B256586	Mortar	Heterogeneous Gray,Red Non-fibrous Bound			20% 75% 5%	Binder Silicates Paint	None Detected
13 B256587	Caulk	Heterogeneous Off-white,White Fibrous Bound	10%	Talc	85% 5%	Caulk Paint	None Detected
14 B256588	Caulk	Heterogeneous Off-white,White Fibrous Bound	10%	Talc	85% 5%	Caulk Paint	None Detected
15 B256589	Caulk	Heterogeneous Off-white,White Fibrous Bound	10%	Talc	85% 5%	Caulk Paint	None Detected
16 B256590	Shingle	Heterogeneous Black Fibrous Bound	25%	Fiberglass	40% 35%	Tar Silicates	None Detected
17 B256591	Shingle	Heterogeneous Black,Tan Fibrous Bound	25%	Fiberglass	40% 35%	Tar Silicates	None Detected
18 B256592	Shingle	Heterogeneous Black,Gray Fibrous Bound	25%	Fiberglass	40% 35%	Tar Silicates	None Detected

ASBESTOS BULK ANALYSIS

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
19 Layer 1 B256593	Tar	Heterogeneous Black Fibrous Bound	5%	Cellulose	85%	Tar	10% Chrysotile
Lab Notes: No shingle present.							
Layer 2 B256593	Paper	Heterogeneous Black Fibrous Bound	80%	Cellulose	20%	Tar	None Detected
20 B256594	Sample Not Analyzed per COC						
21 B256595	Sample Not Analyzed per COC						
22 B256596	Flashing	Heterogeneous Black Fibrous Bound	5%	Cellulose	70% 5% 10%	Tar Silicates Binder	10% Chrysotile
23 B256597	Sample Not Analyzed per COC						
24 B256598	Sample Not Analyzed per COC						
25 B256599	Glazing	Heterogeneous Off-white Non-fibrous Bound			83% 10% 5%	Binder Calc Carb Paint	2% Chrysotile
26 B256600	Sample Not Analyzed per COC						
27 B256601	Sample Not Analyzed per COC						

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: KPH Environmental Corp
1237 W Bruce St
Milwaukee, WI 53204

CEI Lab Code: B18-0124
Date Received: 01-19-18
Date Analyzed: 01-23-18
Date Reported: 01-24-18

Project: Kenosha; 18-400-001.912

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous	Non-Fibrous	ASBESTOS %
28 B256602A	Tile	Heterogeneous Red,Gray Non-fibrous Bound	100%	Vinyl	None Detected
B256602B	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
B256602C	Tile	Heterogeneous Off-white,Gray Non-fibrous Bound	100%	Vinyl	None Detected
B256602D	Mastic	Homogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected
B256602E	Tile	Heterogeneous White Non-fibrous Bound	97%	Vinyl	3% Chrysotile
B256602F	Mastic	Homogeneous Black Non-fibrous Bound	90%	Mastic	10% Chrysotile
29 B256603A	Tile	Heterogeneous Red,Gray Non-fibrous Bound	100%	Vinyl	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: KPH Environmental Corp
1237 W Bruce St
Milwaukee, WI 53204

CEI Lab Code: B18-0124
Date Received: 01-19-18
Date Analyzed: 01-23-18
Date Reported: 01-24-18

Project: Kenosha; 18-400-001.912

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous	Non-Fibrous	ASBESTOS %
B256603B	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
B256603C	Tile	Heterogeneous Off-white,Gray Non-fibrous Bound	100%	Vinyl	None Detected
B256603D	Mastic	Homogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected
B256603E	Sample Not Analyzed per COC				
30 B256604A	Tile	Heterogeneous Red,Gray Non-fibrous Bound	100%	Vinyl	None Detected
B256604B	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
B256604C	Tile	Heterogeneous Off-white,Gray Non-fibrous Bound	100%	Vinyl	None Detected
B256604D	Mastic	Homogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: KPH Environmental Corp
1237 W Bruce St
Milwaukee, WI 53204

CEI Lab Code: B18-0124
Date Received: 01-19-18
Date Analyzed: 01-23-18
Date Reported: 01-24-18

Project: Kenosha; 18-400-001.912

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
B256604E	Sample Not Analyzed per COC						
31 B256605	Linoleum	Heterogeneous Tan,Off-white Non-fibrous Bound			50% 50%	Vinyl Binder	None Detected
32 B256606	Linoleum	Heterogeneous Tan,Off-white Non-fibrous Bound			50% 50%	Vinyl Binder	None Detected
33 B256607	Linoleum	Heterogeneous Tan,Off-white Non-fibrous Bound			45% 45% 10%	Vinyl Binder Mastic	None Detected
34 B256608	Fiberboard	Heterogeneous Tan Fibrous Bound	90%	Cellulose	10%	Binder	None Detected
35 B256609	Fiberboard	Heterogeneous Tan Fibrous Bound	90%	Cellulose	10%	Binder	None Detected
36 B256610	Fiberboard	Heterogeneous Tan Fibrous Bound	90%	Cellulose	10%	Binder	None Detected
37 B256611	Plaster	Heterogeneous White,Gray Fibrous Bound	5%	Hair	25% 60% 10%	Binder Silicates Paint	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: KPH Environmental Corp
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Milwaukee, WI 53204

CEI Lab Code: B18-0124
Date Received: 01-19-18
Date Analyzed: 01-23-18
Date Reported: 01-24-18

Project: Kenosha; 18-400-001.912

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
38 B256612	Plaster	Heterogeneous White,Gray Fibrous Bound	5%	Hair	25% 60% 10%	Binder Silicates Paint	None Detected
39 Layer 1 B256613	Texture	Heterogeneous White Non-fibrous Bound	5%	Talc	60% 15% 20%	Calc Carb Silicates Paint	None Detected
Layer 2 B256613	Plaster	Heterogeneous Gray Fibrous Bound	5%	Hair	30% 65%	Binder Silicates	None Detected
40 Layer 1 B256614	Texture	Heterogeneous White Non-fibrous Bound	5%	Talc	60% 15% 20%	Calc Carb Silicates Paint	None Detected
Layer 2 B256614	Plaster	Heterogeneous Gray Fibrous Bound	5%	Hair	30% 65%	Binder Silicates	None Detected
41 Layer 1 B256615	Texture	Heterogeneous White Non-fibrous Bound	5%	Talc	60% 15% 20%	Calc Carb Silicates Paint	None Detected
Layer 2 B256615	Plaster	Heterogeneous Gray Fibrous Bound	5%	Hair	30% 65%	Binder Silicates	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: KPH Environmental Corp
1237 W Bruce St
Milwaukee, WI 53204

CEI Lab Code: B18-0124
Date Received: 01-19-18
Date Analyzed: 01-23-18
Date Reported: 01-24-18

Project: Kenosha; 18-400-001.912

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		 Non-Fibrous		ASBESTOS %
42 B256616	Drywall/Joint Compound	Heterogeneous White Fibrous Bound	10% 5% 3%	Cellulose Fiberglass Talc	70% 10% 2%	Gypsum Calc Carb Paint	None Detected
43 B256617	Drywall/Joint Compound	Heterogeneous White Fibrous Bound	10% 5% 3%	Cellulose Fiberglass Talc	70% 10% 2%	Gypsum Calc Carb Paint	None Detected
44 B256618	Drywall/Joint Compound	Heterogeneous White Fibrous Bound	10% 5% 3%	Cellulose Fiberglass Talc	70% 10% 2%	Gypsum Calc Carb Paint	None Detected
45 Layer 1 B256619	Linoleum	Heterogeneous Off-white,Gray Fibrous Bound	10%	Fiberglass	45% 40% 5%	Vinyl Binder Mastic	None Detected
Layer 2 B256619	Fibrous Material	Heterogeneous Tan Fibrous Bound	100%	Cellulose			None Detected
46 Layer 1 B256620	Linoleum	Heterogeneous Off-white,Gray Fibrous Bound	10%	Fiberglass	45% 40% 5%	Vinyl Binder Mastic	None Detected
Layer 2 B256620	Fibrous Material	Heterogeneous Tan Fibrous Bound	100%	Cellulose			None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: KPH Environmental Corp
1237 W Bruce St
Milwaukee, WI 53204

CEI Lab Code: B18-0124
Date Received: 01-19-18
Date Analyzed: 01-23-18
Date Reported: 01-24-18

Project: Kenosha; 18-400-001.912

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
47 Layer 1 B256621	Linoleum	Heterogeneous Off-white,Gray Fibrous Bound	10%	Fiberglass	45% 40% 5%	Vinyl Binder Mastic	None Detected
Layer 2 B256621	Fibrous Material	Heterogeneous Tan Fibrous Bound	100%	Cellulose			None Detected
48 B256622A	Tile	Heterogeneous Red,Gray Non-fibrous Bound			100%	Vinyl	None Detected
B256622B	Mastic	Homogeneous Tan Non-fibrous Bound			100%	Mastic	None Detected
49 B256623A	Tile	Heterogeneous Red,Gray Non-fibrous Bound			100%	Vinyl	None Detected
B256623B	Mastic	Homogeneous Tan,Brown Non-fibrous Bound			100%	Mastic	None Detected
50 B256624A	Tile	Heterogeneous Red,Gray Non-fibrous Bound			100%	Vinyl	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: KPH Environmental Corp
1237 W Bruce St
Milwaukee, WI 53204

CEI Lab Code: B18-0124
Date Received: 01-19-18
Date Analyzed: 01-23-18
Date Reported: 01-24-18

Project: Kenosha; 18-400-001.912

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous	Non-Fibrous	ASBESTOS %
B256624B	Mastic	Homogeneous Tan,Brown Non-fibrous Bound	100%	Mastic	None Detected
51 B256625	Caulk	Homogeneous White Non-fibrous Bound	100%	Caulk	None Detected
52 B256626	Caulk	Homogeneous White Non-fibrous Bound	100%	Caulk	None Detected
53 B256627	Caulk	Homogeneous White Non-fibrous Bound	100%	Caulk	None Detected
54 Layer 1 B256628	Caulk	Homogeneous White Non-fibrous Bound	100%	Caulk	None Detected
Layer 2 B256628	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
55 Layer 1 B256629	Caulk	Homogeneous White Non-fibrous Bound	100%	Caulk	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: KPH Environmental Corp
1237 W Bruce St
Milwaukee, WI 53204

CEI Lab Code: B18-0124
Date Received: 01-19-18
Date Analyzed: 01-23-18
Date Reported: 01-24-18

Project: Kenosha; 18-400-001.912

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous	Non-Fibrous	ASBESTOS %
Layer 2 B256629	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
56 B256630	Caulk	Homogeneous White Non-fibrous Bound	100%	Caulk	None Detected
57 Layer 1 B256631	Caulk	Homogeneous White Non-fibrous Bound	100%	Caulk	None Detected
Layer 2 B256631	Caulk	Homogeneous Clear Non-fibrous Bound	100%	Caulk	None Detected
58 Layer 1 B256632	Caulk	Homogeneous White Non-fibrous Bound	100%	Caulk	None Detected
Layer 2 B256632	Caulk	Homogeneous Clear Non-fibrous Bound	100%	Caulk	None Detected
59 Layer 1 B256633	Caulk	Homogeneous White Non-fibrous Bound	100%	Caulk	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: KPH Environmental Corp
1237 W Bruce St
Milwaukee, WI 53204

CEI Lab Code: B18-0124
Date Received: 01-19-18
Date Analyzed: 01-23-18
Date Reported: 01-24-18

Project: Kenosha; 18-400-001.912

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		NON-ASBESTOS COMPONENTS Non-Fibrous		ASBESTOS %
Layer 2 B256633	Caulk	Homogeneous Clear Non-fibrous Bound			100%	Caulk	None Detected
60 B256634	Mastic	Homogeneous Yellow Non-fibrous Bound			100%	Mastic	None Detected
61 B256635	Mastic	Homogeneous Yellow Non-fibrous Bound			100%	Mastic	None Detected
62 B256636	Mastic	Homogeneous Yellow Non-fibrous Bound			100%	Mastic	None Detected
63 B256637	Texture	Heterogeneous Off-white Non-fibrous Bound	5%	Talc	60% 35%	Calc Carb Paint	None Detected
64 B256638	Texture	Heterogeneous Off-white Non-fibrous Bound	5%	Talc	60% 35%	Calc Carb Paint	None Detected
65 B256639	Texture	Heterogeneous Off-white Non-fibrous Bound	5%	Talc	60% 35%	Calc Carb Paint	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: KPH Environmental Corp
1237 W Bruce St
Milwaukee, WI 53204

CEI Lab Code: B18-0124
Date Received: 01-19-18
Date Analyzed: 01-23-18
Date Reported: 01-24-18

Project: Kenosha; 18-400-001.912

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		NON-ASBESTOS COMPONENTS Non-Fibrous		ASBESTOS %
66 B256640	Insulation	Heterogeneous Tan Fibrous Bound	100%	Cellulose			None Detected
67 B256641	Insulation	Heterogeneous Tan Fibrous Bound	100%	Cellulose			None Detected
68 B256642	Insulation	Heterogeneous Tan Fibrous Bound	100%	Cellulose			None Detected
69 B256643	Plaster	Heterogeneous White,Gray Non-fibrous Bound			30% 65% 5%	Binder Silicates Paint	None Detected
70 B256644	Plaster	Heterogeneous White,Gray Non-fibrous Bound			30% 65% 5%	Binder Silicates Paint	None Detected
71 B256645	Plaster	Heterogeneous White,Gray Non-fibrous Bound			30% 65% 5%	Binder Silicates Paint	None Detected
72 B256646	Flue Pack	Heterogeneous White,Gray Non-fibrous Bound			30% 65% 5%	Binder Silicates Paint	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: KPH Environmental Corp
1237 W Bruce St
Milwaukee, WI 53204

CEI Lab Code: B18-0124
Date Received: 01-19-18
Date Analyzed: 01-23-18
Date Reported: 01-24-18

Project: Kenosha; 18-400-001.912

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
73 B256647	Flue Pack	Heterogeneous White,Gray Non-fibrous Bound	15% 	Wollastonite	23% 60% 2%	Binder Silicates Paint	None Detected
74 B256648	Flue Pack	Heterogeneous White,Gray Non-fibrous Bound	15% 	Wollastonite	23% 60% 2%	Binder Silicates Paint	None Detected

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LEGEND:	Non-Anth	= Non-Asbestiform Anthophyllite
	Non-Trem	= Non-Asbestiform Tremolite
	Calc Carb	= Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: <1% by visual estimation

REPORTING LIMIT FOR POINT COUNTS: 0.25% by 400 Points or 0.1% by 1,000 Points

REGULATORY LIMIT: >1% by weight

Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. Estimated measurement of uncertainty is available on request.

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ANALYST: Taylor B. Metcalf

APPROVED BY: Tianbao Bai, Ph.D., CIH
Laboratory Director

NVLAP TESTING
NVLAP LAB CODE 101768-0

ASBESTOS CHAIN OF CUSTODY

(74) B18-0124 B256575-6648

CEI LABS
730 SE Maynard Road, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

LAB USE ONLY:
CEI Lab Code:
CEI Lab I.D. Range:

COMPANY INFORMATION		PROJECT INFORMATION	
CEI CLIENT #:		Job Contact:	Dean Jacobsen
Company:	KPH Environmental Corp.	Email / Tel:	414-647-1530
Address:	1237 West Bruce Street	Project Name:	Kenosha
	Milwaukee, WI 53204	Project ID#:	18-400-001. 912
Email:	dean.jacobsen@kphenvironmental.com	PO #:	
Tel: (414) 647-1530	Fax: (414) 647-1540	STATE SAMPLES COLLECTED IN:	WI

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	☐	☐	☐	☐	☒	☐
PLM POINT COUNT (400)	EPA 600	☐	☐	☐	☐	☐	☐
PLM POINT COUNT (1000)	EPA 600	☐	☐	☐	☐	☐	☐
PLM GRAV w POINT COUNT	EPA 600		☐	☐	☐	☐	☐
PLM BULK	CARB 435		☐	☐	☐	☐	☐
PCM AIR	NIOSH 7400	☐	☐	☐	☐	☐	☐
TEM AIR	EPA AHERA	☐	☐	☐	☐	☐	☐
TEM AIR	NIOSH 7402	☐	☐	☐	☐	☐	☐
TEM AIR	ISO 10312	☐	☐	☐	☐	☐	☐
TEM AIR	ASTM 6281-09	☐	☐	☐	☐	☐	☐
TEM BULK	CHATFIELD		☐	☐	☐	☐	☐
TEM DUST WIPE	ASTM D6480-05	☐	☐	☐	☐	☐	☐
TEM DUST MICROVAC	ASTM D5755-09	☐	☐	☐	☐	☐	☐
TEM SOIL	ASTM D7521-13			☐	☐	☐	☐
TEM VERMICULITE	CINCINNATI METHOD			☐	☐	☐	☐
OTHER:		☐	☐	☐	☐	☐	☐

REMARKS / SPECIAL INSTRUCTIONS:

Test until >1% for each homogeneous material

☑ Accept Samples

☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	1/18/18	A	11948 11:10

Samples will be disposed of 30 days after analysis

Page 1 *of* 4

ASBESTOS SAMPLING FORM

B18-0124

CEI LABS

COMPANY CONTACT INFORMATION	
Company: KPH Environmental Corp.	Job Contact: Dean Jacobsen
Project Name: Kenosha	
Project ID #: 18-400-001.	Tel: (414) 647-1530

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
1	Shingle		PLM [X]	TEM [ ]
2	↓		PLM [ ]	TEM [ ]
3	↓		PLM [ ]	TEM [ ]
4	Caulk		PLM [ ]	TEM [ ]
5	↓		PLM [ ]	TEM [ ]
6	↓		PLM [ ]	TEM [ ]
7	Paper		PLM [ ]	TEM [ ]
8	↓		PLM [ ]	TEM [ ]
9	↓		PLM [ ]	TEM [ ]
10	Brick/Mortar		PLM [ ]	TEM [ ]
11	↓		PLM [ ]	TEM [ ]
12	↓		PLM [ ]	TEM [ ]
13	Caulk		PLM [ ]	TEM [ ]
14	↓		PLM [ ]	TEM [ ]
15	↓		PLM [ ]	TEM [ ]
16	Shingle		PLM [ ]	TEM [ ]
17	↓		PLM [ ]	TEM [ ]
18	↓		PLM [ ]	TEM [ ]
19	Shingle / Paper		PLM [ ]	TEM [ ]
20	↓		PLM [ ]	TEM [ ]
21	↓		PLM [ ]	TEM [ ]
22	Flashing		PLM [ ]	TEM [ ]
23	↓		PLM [ ]	TEM [ ]
24	↓		PLM [ ]	TEM [ ]
25	Glazing		PLM [ ]	TEM [ ]
26	↓		PLM [ ]	TEM [ ]
27	↓		PLM [ ]	TEM [ ]
28	Tile / Mastic		PLM [ ]	TEM [ ]

B18-0124

ASBESTOS SAMPLING FORM

CEI LABS

COMPANY CONTACT INFORMATION	
Company: KPH Environmental Corp.	Job Contact: Dean Jacobsen
Project Name: Kenosha	
Project ID #: 18-400-001.912	Tel: (414) 647-1530

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
29	Tile/Mastic		PLM ☒	TEM ☐
30	↓		PLM ☐	TEM ☐
31	Linoleum		PLM ☐	TEM ☐
32	↓		PLM ☐	TEM ☐
33	↓		PLM ☐	TEM ☐
34	Fiberboard		PLM ☐	TEM ☐
35	↓		PLM ☐	TEM ☐
36	↓		PLM ☐	TEM ☐
37	Plaster		PLM ☐	TEM ☐
38	↓		PLM ☐	TEM ☐
39	↓		PLM ☐	TEM ☐
40	↓		PLM ☐	TEM ☐
41	↓		PLM ☐	TEM ☐
42	Drywall/Jt Cmpd		PLM ☐	TEM ☐
43	↓		PLM ☐	TEM ☐
44	↓		PLM ☐	TEM ☐
45	Linoleum		PLM ☐	TEM ☐
46	↓		PLM ☐	TEM ☐
47	↓		PLM ☐	TEM ☐
48	Tile/Mastic		PLM ☐	TEM ☐
49	↓		PLM ☐	TEM ☐
50	↓		PLM ☐	TEM ☐
51	Caulk		PLM ☐	TEM ☐
52	↓		PLM ☐	TEM ☐
53	↓		PLM ☐	TEM ☐
54	Caulk		PLM ☐	TEM ☐
55	↓		PLM ☐	TEM ☐
56	↓		PLM ☑	TEM ☐

ASBESTOS SAMPLING FORM

318-0124

CEI LABS

COMPANY CONTACT INFORMATION	
Company: KPH Environmental Corp.	Job Contact: Dean Jacobsen
Project Name: Kenosha	
Project ID #: 18-400-001. 912	Tel: (414) 647-1530

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
57	Caulk		PLM [X]	TEM [ ]
58	↓		PLM [ ]	TEM [ ]
59	↓		PLM [ ]	TEM [ ]
60	Mastic		PLM [ ]	TEM [ ]
61	↓		PLM [ ]	TEM [ ]
62	↓		PLM [ ]	TEM [ ]
63	Texture		PLM [ ]	TEM [ ]
64	↓		PLM [ ]	TEM [ ]
65	↓		PLM [ ]	TEM [ ]
66	Insulation		PLM [ ]	TEM [ ]
67	↓		PLM [ ]	TEM [ ]
68	↓		PLM [ ]	TEM [ ]
69	Plaster		PLM [ ]	TEM [ ]
70	↓		PLM [ ]	TEM [ ]
71	↓		PLM [ ]	TEM [ ]
72	Flue Pack		PLM [ ]	TEM [ ]
73	↓		PLM [ ]	TEM [ ]
74	↓		PLM [ ]	TEM [ ]
			PLM [ ]	TEM [ ]
			PLM [ ]	TEM [ ]
			PLM [ ]	TEM [ ]
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			PLM [ ]	TEM [ ]
			PLM [ ]	TEM [ ]

ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

KPH Environmental Corp

CLIENT PROJECT: Kenosha; 18-400-001.912

LAB CODE: B18-0124.1

TEST METHOD: PLM Gravimetric Point Count
EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 01/26/18

TEL: 866-481-1412

www.ceilabs.com

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: KPH Environmental Corp
1237 W Bruce St
Milwaukee, WI 53204

Lab Code: B18-0124.1
Date Received: 01-25-18
Date Analyzed: 01-26-18
Date Reported: 01-26-18

Project: Kenosha; 18-400-001.912

ASBESTOS GRAVIMETRIC POINT COUNT PLM, EPA 600 METHOD

Client ID Lab ID	Material Description	Sample Weight (g)	Organic Material (%)	Acid Soluble Material (%)	Acid Insoluble Material (%)	ASBESTOS %	
25 B256599	Glazing	0.463	7.1	90	2.4	**0.18%**	**Chrysotile**

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LEGEND: None

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: Varies with the weight and constituents of the sample (<0.25%)

REGULATORY LIMIT: >1% by weight

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ANALYST: Taylor B. Metcalf

APPROVED BY: Tianbao Bai, Ph.D., CIH
Laboratory Director

NVLAP® TESTING
NVLAP LAB CODE 101768-0

ASBESTOS CHAIN OF CUSTODY

CEI LABS
730 SE Maynard Road, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

LAB USE ONLY:
CEI Lab Code:
CEI Lab I.D. Range:

COMPANY INFORMATION	PROJECT INFORMATION
CEI CLIENT #:	Job Contact: Dean Jacobsen
Company: KPH Environmental Corp.	Email / Tel: 414-647-1530
Address: 1237 West Bruce Street	Project Name: Kenosha
Milwaukee, WI 53204	Project ID#: 18-400-001. 912
Email: dean.jacobsen@kphenvironmental.com	PO #:
Tel: (414) 647-1530 Fax: (414) 647-1540	STATE SAMPLES COLLECTED IN: WI

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	☐	☐	☐	☐	☐	☐
PLM POINT COUNT (400)	EPA 600	☐	☐	☒	☐	☐	☐
PLM POINT COUNT (1000)	EPA 600	☐	☐	☐	☐	☐	☐
PLM GRAV w POINT COUNT	EPA 600		☐	☐	☐	☐	☐
PLM BULK	CARB 435		☐	☐	☐	☐	☐
PCM AIR	NIOSH 7400	☐	☐	☐	☐	☐	☐
TEM AIR	EPA AHERA	☐	☐	☐	☐	☐	☐
TEM AIR	NIOSH 7402	☐	☐	☐	☐	☐	☐
TEM AIR	ISO 10312	☐	☐	☐	☐	☐	☐
TEM AIR	ASTM 6281-09	☐	☐	☐	☐	☐	☐
TEM BULK	CHATFIELD		☐	☐	☐	☐	☐
TEM DUST WIPE	ASTM D6480-05	☐	☐	☐	☐	☐	☐
TEM DUST MICROVAC	ASTM D5755-09	☐	☐	☐	☐	☐	☐
TEM SOIL	ASTM D7521-13			☐	☐	☐	☐
TEM VERMICULITE	CINCINNATI METHOD			☐	☐	☐	☐
OTHER:		☐	☐	☐	☐	☐	☐

REMARKS / SPECIAL INSTRUCTIONS:
CEI Lab Code B8-0124
Test until >1% for each homogeneous material

☐ Accept Samples
☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
Dean Jacobsen	1/24/18 1645		

Samples will be disposed of 30 days after analysis

TM

ASBESTOS SAMPLING FORM

CEI LABS

COMPANY CONTACT INFORMATION			
Company:	KPH Environmental Corp.	Job Contact:	Dean Jacobsen
Project Name:	Kenosha		
Project ID #:	18-400-001.912	Tel:	(414) 647-1530

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
25			PLM [x]	TEM [ ]
			PLM [ ]	TEM [ ]
			PLM [ ]	TEM [ ]
			PLM [ ]	TEM [ ]
			PLM [ ]	TEM [ ]
			PLM [ ]	TEM [ ]
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			PLM [ ]	TEM [ ]

Page 2 of 2

B. PAINT LABORATORY RESULTS

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CEI Labs
730 SE Maynard Road, Cary, NC 27511
Phone: (919) 481-1413 Fax: (919) 481-1442

LABORATORY REPORT
LEAD IN PAINT

Client: **KPH Environmental Corp**
1237 W Bruce St
Milwaukee, WI 53204

CEI Lab Code: C18-0035
Received: 01-19-18
Analyzed: 01-26-18
Reported: 01-26-18

Project: Kenosha; 18-400-001.912

ANALYSIS METHOD: EPA SW846 7000B

CLIENT ID	CEI LAB ID	PPM (µg/g)	CONCENTRATION % BY WEIGHT
P01	CA63099	29000	**2.9**
P02	CA63100	1800	**0.18**
P03	CA63101	20000	**2.0**

Reviewed By:

Tianbao Bai, Ph.D.
Laboratory Director

This method has been validated for sample weights of 0.020g or greater. When samples with a weight of less than that are analyzed those results fall outside of the scope of accreditations.
*** The analysis of composite wipe samples as a single samples is not included under AIHA accreditation.**

Minimum reporting limit is 10 µg total lead. Sample results denoted with a "less than" (<) sign contain less than 10.0 µg total lead, based on a 40ml sample volume.

Lead samples are not analyzed by CEI Labs Lead samples are submitted to an AIHA ELLAP accredited laboratory for lead analysis of soil, dust, paint, and TCLP samples.
Laboratory results represent the analysis of samples as submitted by the client. Information regarding sample location, description, area, volume, etc., was provided by the client. Unless notified in writing to return samples, CEI Labs discards client samples after 30 days. This report shall not be reproduced, except in full, without the written consent of CEI Labs.

REGULATORY LIMITS
OSHA Standard: No safe limit.
Consumer Products Safety Standard: Greater than 0.06% lead by weight.
Federal Lead Standard / HUD: 0.5% lead by weight.

LEGEND
µg = microgram
ml = milliliter
ppm = parts per million
Pb = lead
g = grams
wt = weight

End of Report

METALS
CHAIN OF CUSTODY

730 SE Maynard Road, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

LAB USE ONLY:	
CEI Lab Code:	C18-0035 (3)
CEI Lab I.D. Range:	CA63099 - CA63101

COMPANY INFORMATION		PROJECT INFORMATION	
CEI CLIENT #:		Job Contact:	Dean Jacobsen
Company:	KPH Environmental Corp.	Email / Tel:	414-647-1530
Address:	1237 W. Bruce St.	Project Name:	Kenosha
	Milwaukee, WI 53204	Project ID#	18-400-001.912
Email:	dean.jacobsen@kphenvironmental.com	PO #:	
Tel: 414-647-1530	Fax: 414-647-1540	STATE SAMPLES COLLECTED IN:	WI

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR**	8 HR**	24 HR**	2 DAY	3 DAY	5 DAY
LEAD PAINT	EPA SW846 7000B				☐	☒	☐
LEAD WIPE	EPA SW846 7000B				☐	☐	☐
LEAD SOIL	EPA SW846 7000B				☐	☐	☐
LEAD AIR	NIOSH 7082				☐	☐	☐
LEAD TCLP	EPA SW846 7000B				☐	☐	☐
RCRA 8 METALS	EPA SW846 7000B				☐	☐	☐
RCRA 8 TCLP	EPA SW846 7000B				☐	☐	☐
OTHER:					☐	☐	☐

TAT IS NOT AVAILABLE. LEAD SAMPLES ARE SUBCONTRACTED FOR ANALYSIS TO AN ELLAP ACCREDITED LAB.

REMARKS:	☑ Accept Samples ☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
	1/18/18 1700		1/19/18 11:10

Samples will be disposed of 30 days after analysis

C18-0035

METALS SAMPLING FORM

CEI LABS

COMPANY CONTACT INFORMATION	
Company: KPH Environmental Corp.	Job Contact: Dean Jacobsen
Project Name: Kenosha	
Project ID #: 18-400-001.912	Tel: 414-647-1530

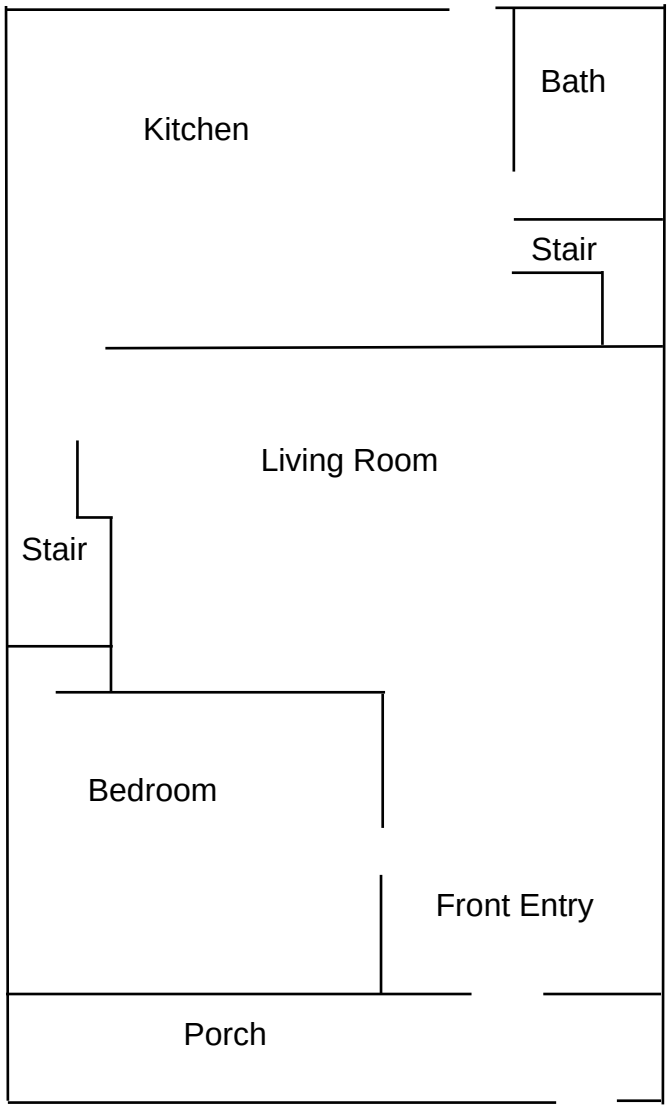
SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/AREA	COMMENTS
P01	Wall Exterior		
P02	Wall Basement		
P03	Wall Basement		

C. FLOOR PLAN

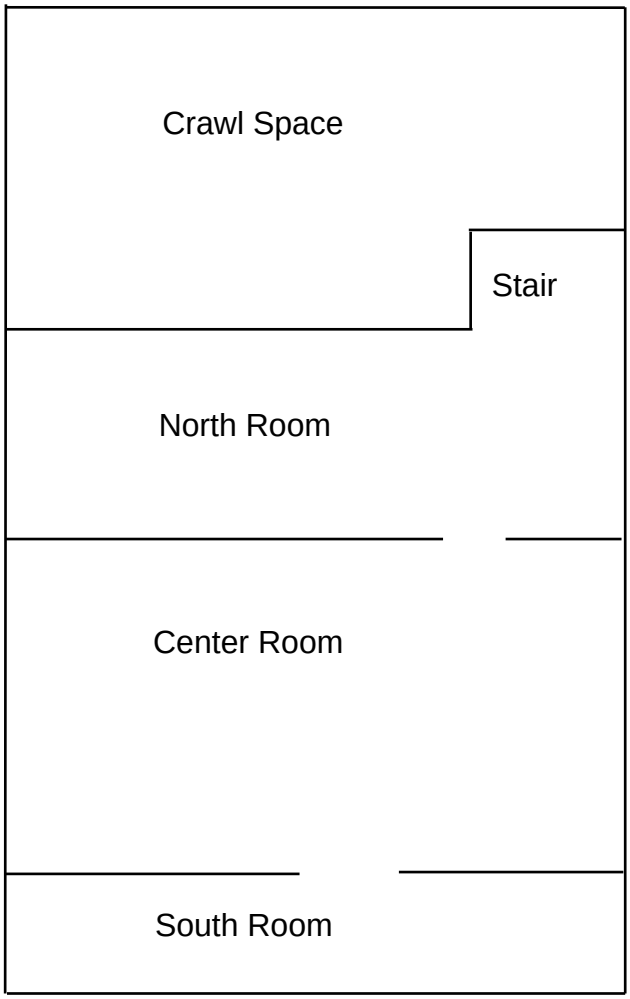
Single Family Residence
912 47th Street
Kenosha, Wisconsin

N

1st Floor

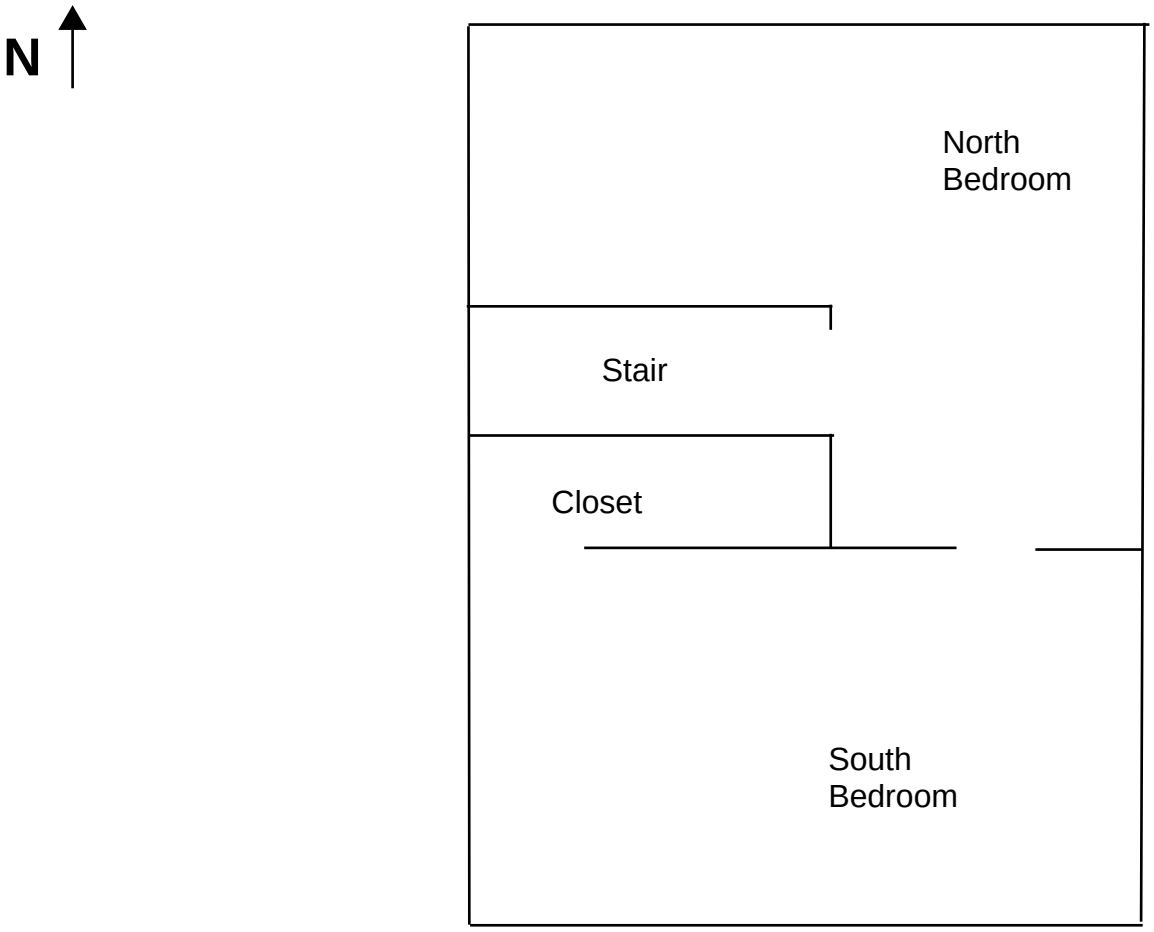


Basement



Single Family Residence
912 47th Street
Kenosha, Wisconsin

2nd Floor



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: 06/06/2016
Expiration Date: 09/10/2018, 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

Shelley A Bruce

Shelley A Bruce,
Unit Supervisor

Scott Walker
Governor

Linda Seemeyer
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 29, 2017

DEAN T JACOBSEN
W131S6781 KIPLING DR
MUSKEGO WI 53150-3401

ID# AII-14370

Congratulations! Your new Wisconsin certification card is enclosed. 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, by using our Lead and Asbestos Online Certification website, 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.
   - 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.
   - Lead-certified individuals can refresh up to **1 year** before the due date.
     Find lead training providers at 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 or 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 you
professional responsibility. Contact us if you have any
below and on the back of your blue card.

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

COPY

City of Kenosha

General Location Map

25TH AVE

54TH ST

24TH AVE

Subject Property: 2502 54th Street
PIN: 09-222-36-405-005

0 100
Feet

DCDI ~ Community Development Division ~ JBL ~ ZK ~ February 22, 2018 ~ mc

PRE-DEMOLITION INSPECTION REPORT
Job Site:

Duplex
2502 54th Street
Kenosha, Wisconsin

For:

City of Kenosha
Department of Community Development and Inspections
Municipal Building, Room 308
325 52nd Street
Kenosha, Wisconsin 53140

KPH Project # 18-400-001.2502

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

KPH Environmental
1237 West Bruce Street
Milwaukee, Wisconsin 53204

February 2018

TABLE OF CONTENTS

Pre-Demolition Inspection Report
2502 54th Street
Kenosha, Wisconsin

EXECUTIVE SUMMARY

KPH Environmental Corp (KPH), was retained by the City of Kenosha Department of Community Development and Inspections to conduct an inspection of the duplex residence at 2502 54th Street, Kenosha, Wisconsin, prior to demolition. KPH conducted a visual inspection for asbestos, potential lead painted recyclable surfaces, and universal wastes. KPH collected asbestos bulk samples and paint chip samples for laboratory analysis.

Asbestos was detected above the regulatory level of 1% in 12" white floor tile in Room 106, transite panels on the basement ceiling, flue packing and duct wrap in the basement, and in roof flashing on the house and garage roofs. It was detected at less than 1% in 9" tan floor tile in Room 105 as verified by point counting. Asbestos containing materials were assumed to be in the electrical boxes.

Under state and federal laws, the flue packing and duct wrap would need to be abated by a Wisconsin certified asbestos company prior to building demolition. The transite panels, 12" white floor tile, and roof flashing may also require abatement prior to demolition. Asbestos containing materials were assumed to be in the basement electrical box and may also have to be abated prior to demolition. Other materials tested during the inspection do not contain asbestos. Results are in Section II of this report.

Paint sample testing revealed that lead was detected in an exterior brick wall sample and but not in the interior brick wall sample. Lead based paint was not detected.

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

I. INTRODUCTION

KPH Environmental Corp., (KPH) was retained by the City of Kenosha Department of Community Development and Inspections to conduct a pre-demolition inspection of the single family residence at 2502 54th Street, Kenosha, Wisconsin, for the following:

- Suspect asbestos containing materials
- Suspect lead painted surfaces that could be recycled, such as brick, concrete block, concrete, and metal
- Universal wastes such as refrigerators, light bulbs and PCB containing light fixture ballasts

Zohrab Khaligian, the City of Kenosha, authorized KPH to conduct an inspection and to analyze samples collected during the inspection. The inspection of the buildings at 2502 54th Street, Kenosha, Wisconsin, was conducted on January 26, 2018, to cover the items listed above. The inspection was conducted by Damian Rogowski, Wisconsin Asbestos Inspector License No. 161300. 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, 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. This includes all materials except wood, metal, fiberglass, and glass. 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 uses U.S. EPA sampling protocols to collect 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 damage and 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 building as required by US EPA NESHAP regulation 40 CFR 61 Subpart M, and NR 447 of the Wisconsin Administrative Code:

- Fiberboard
- Asphalt shingle siding
- Paper insulation
- Blown in insulation
- Asphalt roofing
- Window glazing compound
- Stucco
- Caulk
- Brick/Mortar
- Linoleum/mastic
- Plaster
- Drywall/joint compound
- Ceramic tile
- Floor tile/mastic

- Transite panel
- Flue packing
- Duct wrap
- Roof flashing
- Built up roofing

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 CEI Labs, Inc., of Cary, North Carolina, 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, crodcidolite, 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 is performed for samples where asbestos was detected by polarized light microscopy at 3% or less. The point count is a more accurate fiber counting method and takes precedence over polarized light microscopy result. 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
1	Exterior – southeast wall under aluminum siding – fiberboard	Negative	MFB
2	Exterior – east wall under aluminum siding – fiberboard	Negative	MFB
3	Exterior – west wall under aluminum siding – fiberboard	Negative	MFB
4	Exterior – southeast wall under fiberboard – asphalt shingle siding	Negative	MSS
5	Exterior –east wall under fiberboard – asphalt shingle siding	Negative	MSS

Sample #	Location and Description	Results	Homogeneous Code
6	Exterior – west wall under fiberboard – asphalt shingle siding	Negative	MSS
7	Exterior – southeast wall under wood siding – paper insulation	Negative	MPI
8	Exterior – east wall under wood siding – paper insulation	Negative	MPI
9	Exterior – west wall under wood siding – paper insulation	Negative	MPI
10	Exterior – in northeast wall – blown in insulation	Negative	MBI
11	Exterior – in east wall – blown in insulation	Negative	MBI
12	Exterior – in west wall – blown in insulation	Negative	MBI
13	Roof – north side – brown asphalt shingle	Negative	MRSn
14	Roof – west side – brown asphalt shingle	Negative	MRSn
15	Roof – south side – brown asphalt shingle	Negative	MRSn
16	1st floor – on south window – glazing compound	Negative	MPG
17	1st floor – on north window – glazing compound	Negative	MPG
18	Basement – on south window – glazing compound	Negative	MPG
19	Basement – exterior on south wall – stucco	Negative	STC
20	Basement – exterior on southwest wall – stucco	Negative	STC
21	Basement – exterior on east wall – stucco	Negative	STC
22	Exterior – on south window – white caulk	Negative	MCLKw
23	Exterior – on west window – white caulk	Negative	MCLKw
24	Exterior – on south door – white caulk	Negative	MCLKw
25a	Garage – south wall – brick	Negative	MBR
25b	Garage – south wall – mortar	Negative	MBR
26a	Garage – west wall – brick	Negative	MBR
26b	Garage – west wall – mortar	Negative	MBR
27a	Basement – exterior northeast wall – brick	Negative	MBR
27b	Basement – exterior northeast wall – mortar	Negative	MBR
28a	1st floor – Room 101 – on south wall – yellow caulk	Negative	MCLKl
28b	1st floor – Room 101 – on south wall – brown caulk	Negative	MCLKn
29a	1st floor – Room 101 – on west wall – yellow caulk	Negative	MCLKl
29b	1st floor – Room 101 – on west wall – brown caulk	Negative	MCLKn
30a	1st floor – Room 101 – on east wall – yellow caulk	Negative	MCLKl
30b	1st floor – Room 101 – on east wall – brown caulk	Negative	MCLKn
31	1st floor – Room 101 – tan and red linoleum	Negative	MFLtr
32	1st floor – Room 104 – tan and red linoleum	Negative	MFLtr
33	1st floor – Room 102 – tan and red linoleum	Negative	MFLtr
34	1st floor – room 101 – north wall – plaster	Negative	SPl
35	1st floor – room 104 – west wall – plaster	Negative	SPl
36	1st floor – room 106 – ceiling – plaster	Negative	SPl
37	2nd floor – room 204 – east wall – plaster	Negative	SPl
38	Basement – room B01 – east wall – plaster	Negative	SPl
39	1st floor – room 103 – east wall – drywall/joint compound	Negative	MDW
40	1st floor – room 104 – west wall – drywall/joint compound	Negative	MDW
41	2nd floor – room 203 – north wall – drywall/joint compound	Negative	MDW
42a	1st floor – room 105 north floor – top layer – green ceramic tile	Negative	MCTMg
42b	1st floor – room 105 north floor – top layer – grout	Negative	MCTMg
43a	1st floor – room 105 south floor – top layer – green ceramic tile	Negative	MCTMg

Sample #	Location and Description	Results	Homogeneous Code
43b	1st floor – room 105 south floor – top layer – grout	Negative	MCTMg
44a	2nd floor – room 202 floor – green ceramic tile	Negative	MCTMg
44b	2nd floor – room 202 floor – grout	Negative	MCTMg
45a	1st floor – room 105 – north under plywood – 9" tan floor tile	Positive 2% Chrysotile	MF9t
45a	Point Count Analysis	Trace 0.94% Chrysotile	MF9t
45b	1st floor – room 105 – north under 9" tan floor tile – tan mastic	Negative	MF9t
45c	1st floor – room 105 – north under tan mastic – felt paper	Negative	MF9t
46a	Not Analyzed Due to Prior Positive Sample	N/A	MF9t
46b	1st floor – room 105 – west under 9" tan floor tile – tan mastic	Negative	MF9t
46c	1st floor – room 105 – west under tan mastic – felt paper	Negative	MF9t
47a	Not Analyzed Due to Prior Positive Sample	N/A	MF9t
47b	1st floor – room 105 – south under 9" tan floor tile – tan mastic	Negative	MF9t
47c	1st floor – room 105 – south under tan mastic – felt paper	Negative	MF9t
48	1st floor – room 105 – on north wall – white ceramic tile	Negative	MCTMw
49	1st floor – room 105 – on south wall – white ceramic tile	Negative	MCTMw
50	2nd floor – room 203 – on east wall – white ceramic tile	Negative	MCTMw
51a	1st floor – room 106 – west side top layer – 12" white floor tile	Negative	MF12w
51b	1st floor – room 106 – west side top layer – under 12" white floor tile – clear mastic	Negative	MF12w
51c	**1st floor – room 106 – west side 2nd layer – 12" cream floor tile**	**Positive 2% Chrysotile**	**MF12c**
51c	**Point Count Analysis**	**Positive 1.1% Chrysotile**	**MF12c**
51d	1st floor – room 106 – west side 2nd layer – under 12" cream floor tile – yellow mastic	Negative	MF12c
51e	1st floor – room 106 – west side bottom layer – gray linoleum	Negative	MFLy
52a	1st floor – room 106 – east side top layer – 12" white floor tile	Negative	MF12w
52b	1st floor – room 106 – east side top layer – under 12" white floor tile – clear mastic	Negative	MF12w
52c	Not Analyzed Due to Prior Positive Sample	N/A	MF12c
52d	1st floor – room 106 – east side 2nd layer – under 12" cream floor tile – yellow mastic	Negative	MF12c
52e	1st floor – room 106 – east side bottom layer – gray linoleum	Negative	MFLy
53a	1st floor – room 106 – north side top layer – 12" white floor tile	Negative	MF12w
53b	1st floor – room 106 – north side top layer – under 12" white floor tile – clear mastic	Negative	MF12w
53c	Not Analyzed Due to Prior Positive Sample	N/A	MF12c
53d	1st floor – room 106 – north side 2nd layer – under 12" cream floor tile – yellow mastic	Negative	MF12c
53e	1st floor – room 106 – north side bottom layer – gray linoleum	Negative	MFLy

Sample #	Location and Description	Results	Homogeneous Code
54	1st floor – room 107 – center under carpet – multicolored linoleum	Negative	MFLm
55	1st floor – room 107 – north under carpet – multicolored linoleum	Negative	MFLm
56	1st floor – room 108 – center under carpet – multicolored linoleum	Negative	MFLm
57	**Basement – room 002 – north on ceiling – transite panel**	**Positive 15% Chrysotile**	**MTP**
57	Not Analyzed Due to Prior Positive Sample	N/A	MTP
58	Not Analyzed Due to Prior Positive Sample	N/A	MTP
60	**Basement – room 001 – on north side of chimney – flue packing**	**Positive 10% Chrysotile**	**TFP**
61	Not Analyzed Due to Prior Positive Sample	N/A	TFP
62	Not Analyzed Due to Prior Positive Sample	N/A	TFP
63	**Basement – room 001 – center on beam – duct wrap**	**Positive 65% Chrysotile**	**TDW**
64	Not Analyzed Due to Prior Positive Sample	N/A	TDW
65	Not Analyzed Due to Prior Positive Sample	N/A	TDW
66a	2nd floor – room 200 – north side – 12" yellow floor tile	Negative	MF12l
66b	2nd floor – room 200 – north side – under 12" yellow floor tile – black mastic	Negative	MF12l
67a	2nd floor – room 200 – north side – 12" yellow floor tile	Negative	MF12l
67b	2nd floor – room 200 – north side – under 12" yellow floor tile – black mastic	Negative	MF12l
68a	2nd floor – room 200 – south side – 12" yellow floor tile	Negative	MF12l
68b	2nd floor – room 200 – south side – under 12" yellow floor tile – black mastic	Negative	MF12l
69	2nd floor – room 206 – north side – tan linoleum	Negative	MFLt
70	2nd floor – room 206 – west side – tan linoleum	Negative	MFLt
71	2nd floor – room 206 – east side – tan linoleum	Negative	MFLt
72	**Roof – house on east side of chimney – flashing**	**Positive 10% Chrysotile**	**MRF**
73	Not Analyzed Due to Prior Positive Sample	N/A	MRF
74	Not Analyzed Due to Prior Positive Sample	N/A	MRF
75	Roof – garage south side – built up roofing	Negative	MRM
76	Roof – garage north side – built up roofing	Negative	MRM
77	Roof – garage west side – built up roofing	Negative	MRM

Homogeneous Material Codes

SPl	Plaster
STC	Stucco
MFB	Fiberboard
MSS	Asphalt Shingle Siding
MPI	Paper Insulation
MBI	Blown in Insulation
MRSn	Brown Asphalt Shingle
MPG	Glazing Compound
MCLKw	White Caulk
MCLKn	Brown Caulk
MCLKl	Yellow Caulk
MBR	Brick/Mortar

Homogeneous Material Codes

MFLtr	Tan & Red Linoleum
MFLy	Gray Linoleum
MFLm	Multicolored Linoleum
MFLt	Tan Linoleum
MDW	Drywall/Joint Compound
MCTMg	Green Ceramic Tile
MCTMw	White Ceramic Tile
MF9t	9" Tan Floor Tile
MF12w	12" White Floor Tile
MF12c	12" Cream Floor Tile
MF12l	12" Yellow Floor Tile
MTP	Transite Panel
MRF	Roof Flashing
MRM	Built up Roofing
TFP	Flue Packing
TDW	Duct Wrap

E. Asbestos Locations and Quantities

Five (5) of the materials sampled contain greater than 1% asbestos and are asbestos containing materials (ACM): transite ceiling panel, basement duct wrap, basement flue pack, house and garage roof flashing, and 12" white floor tile.

Material	Homogeneous Code	Location	Approximate Quantity	Condition
12" White Floor Tile	MF12w	1st Floor Room 106	180 SF	Fair
Transite Panel	MTP	Basement Room 002 on Ceiling	200 SF	Fair
Flue Packing	TFP	Basement Room 001 on Chimney	3 SF	Fair
Duct Wrap	TDW	Basement Room 001 – Center on Beam	4 SF	Fair
Roof Flashing	MRF	House Roof At Chimney & Pipe Penetrations Garage Roof Around Edges of Roof	6 SF 25 SF	Good

The flue packing and duct wrap are friable asbestos containing materials. They were in fair condition at the time of the inspection and meet the definition of a regulated asbestos containing material (RACM) as defined under NR 447 of the Wisconsin Administrative Code.

The roof flashing and 12" white floor tile are category I non-friable asbestos containing materials. They were in fair (non-friable) condition at the time of the inspection. If these materials are subjected to sanding, grinding, cutting or abrading during demolition, they would be then be defined as regulated asbestos containing material (RACM) under NR 447 of the Wisconsin Administrative Code.

The transite panels are a category II non-friable asbestos containing material. They were in fair (non-friable) condition at the time of the inspection. If they become crumbled, pulverized or reduced to powder during demolition they will become RACM as defined 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. If the category I non-friable asbestos containing materials 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.

The 9" tan floor tile in Room 105 contains less than 1% asbestos as verified by the point count method, and by definition in NR 447 is not an ACM.

Assumed Asbestos Containing Materials

Material	Location	Approximate Quantity	Condition
Electrical Panels – Suspect Transite	Basement Electrical Box	1 Box	Good

A friable asbestos problem does exist at the site.

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 and sampling testing at the duplex residence at 2502 54th Street, Kenosha, Wisconsin, took place on January 26, 2018. A room by room inspection was conducted of metal, block, brick, or concrete locations scheduled for demolition, noting the location, substrate, and color of these painted surfaces. Not all surfaces were sampled - Representative samples of paint were

collected from painted surfaces representing different paint colors and substrates. The results apply only to those surfaces that were sampled.

The OSHA Lead in Construction regulation 29CFR 1926.62 applies whenever workers may be exposed to lead during construction work.

The inspection protocol in KPHs Building Inspection Standard Operating Procedures was used.

B. Component Testing Results

In an effort to develop a painting history of the building, specific component types were tested for the presence of lead in paint. Reference Paint Test Results below. The laboratory report is in Appendix B.

Interior: Duplex residence at 2502 54th Street, Kenosha, Wisconsin

- Painted brick was observed on the basement walls. The white paint on the brick walls does not contain lead.

Exterior: Duplex residence at 2502 54th Street, Kenosha, Wisconsin

- Painted brick was observed on basement walls. Lead was detected in the gray paint on the brick walls but less than the 0.5% lead based paint standard.

The following are the laboratory results. Lead based paint was not detected.

Paint Testing Results					
Sample	**Room**	**Component**	**Substrate**	**Color**	**Result (% Lead)**
P01	Exterior	Northeast Basement Wall	Brick	Gray	0.11
P02	Basement Room 001	West Wall	Brick	White	<0.0043

Where lead in paint is known or suspected, the owner and contractors must follow the OSHA lead in construction regulation 29CFR 1926.62. This applies if any amount of lead is present, not just for lead based paint (>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.

KPH recommends that U.S. EPA 40CFR 745 and Wisconsin DHS 163 lead safe renovation procedures be followed to contain and properly clean up any lead dust created during renovation.

According to the WDNR Concrete Recycling and Disposal Fact Sheet, building materials from remodeling or demolition debris that contain lead based paint are considered a solid waste. They may not be recycled unless an exemption is obtained from the Department (DNR Form 4400-274).

IV. UNIVERSAL WASTES

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

Material	Location	Approximate Quantity
Fluorescent Bulbs-Mercury	Kitchen	1 Tube
Fluorescent Ballasts-PCB	Kitchen	1
Thermostat-Mercury	Rooms 104 & 208	2
Paint	Room 204, Room 001	15 Gallons
Boiler-Mercury Switch	Room 001	2
Water Heater-Mercury Switch	Room 001	2

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

V. EXCLUSIONS

Garage door could not be opened – no access to garage interior. This report represents the condition of the building and its 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 some 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 painted locations that were sampled on the building. This report represents the condition of the building and the visible/accessible locations sampled 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 Kenosha. 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

ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

KPH Environmental Corp

CLIENT PROJECT: Kenosha; 18-400-001.2502

LAB CODE: A18-1584

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 02/02/18

TOTAL SAMPLES ANALYZED: 69

SAMPLES >1% ASBESTOS: 7

TEL: 866-481-1412

www.ceilabs.com

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Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Kenosha; 18-400-001.2502 **LAB CODE:** A18-1584

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
1		A2609995	White	Fiberboard	None Detected
2		A2609996	White	Fiberboard	None Detected
3		A2609997	White	Fiberboard	None Detected
4		A2609998	Black	Siding	None Detected
5		A2609999	Black	Siding	None Detected
6		A2610000	Black	Siding	None Detected
7		A2610001	Brown	Paper	None Detected
8		A2610002	Brown	Paper	None Detected
9		A2610003	Brown	Paper	None Detected
10		A2610004	White	Insulation	None Detected
11		A2610005	White	Insulation	None Detected
12		A2610006	White	Insulation	None Detected
13		A2610007	Black	Shingle	None Detected
14		A2610008	Black	Shingle	None Detected
15		A2610009	Black	Shingle	None Detected
16		A2610010	Gray	Glazing	None Detected
17		A2610011	Gray	Glazing	None Detected
18		A2610012	Gray	Glazing	None Detected
19		A2610013	Gray	Stucco	None Detected
20		A2610014	Gray	Stucco	None Detected
21		A2610015	Gray	Stucco	None Detected
22		A2610016	White	Caulk	None Detected
23		A2610017	White	Caulk	None Detected
24		A2610018	White	Caulk	None Detected
25	Layer 1	A2610019	Red	Brick	None Detected
	Layer 2	A2610019	Gray	Mortar	None Detected
26	Layer 1	A2610020	Red	Brick	None Detected
	Layer 2	A2610020	Gray	Mortar	None Detected
27	Layer 1	A2610021	Red	Brick	None Detected
	Layer 2	A2610021	Gray	Mortar	None Detected
28	Layer 1	A2610022	Yellow	Caulk	None Detected

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Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Kenosha; 18-400-001.2502 **LAB CODE:** A18-1584

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
	Layer 2	A2610022	Tan	Caulk	None Detected
29	Layer 1	A2610023	Yellow	Caulk	None Detected
	Layer 2	A2610023	Tan	Caulk	None Detected
30	Layer 1	A2610024	Yellow	Caulk	None Detected
	Layer 2	A2610024	Tan	Caulk	None Detected
31		A2610025	Tan	Linoleum	None Detected
32		A2610026	Tan	Linoleum	None Detected
33		A2610027	Tan	Linoleum	None Detected
34		A2610028	Gray	Plaster	None Detected
35		A2610029	Gray	Plaster	None Detected
36		A2610030	Gray	Plaster	None Detected
37		A2610031	Gray	Plaster	None Detected
38		A2610032	Gray	Plaster	None Detected
39		A2610033	White	Drywall/Joint Compound	None Detected
40		A2610034	White	Drywall/Joint Compound	None Detected
41		A2610035	White	Drywall/Joint Compound	None Detected
42	Layer 1	A2610036	Off-white	Tile	None Detected
	Layer 2	A2610036	Gray	Grout	None Detected
43	Layer 1	A2610037	Off-white	Tile	None Detected
	Layer 2	A2610037	Gray	Grout	None Detected
44	Layer 1	A2610038	Off-white	Tile	None Detected
	Layer 2	A2610038	Gray	Grout	None Detected
45		A2610039A	Beige	Tile	Chrysotile 2%
	Layer 1	A2610039B	Tan	Mastic	None Detected
	Layer 2	A2610039B	Black	Felt Paper	None Detected
46		A2610040A		Sample Not Analyzed per COC	
	Layer 1	A2610040B	Tan	Mastic	None Detected
	Layer 2	A2610040B	Black	Felt Paper	None Detected
47		A2610041A		Sample Not Analyzed per COC	
	Layer 1	A2610041B	Tan	Mastic	None Detected
	Layer 2	A2610041B	Black	Felt Paper	None Detected

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Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Kenosha; 18-400-001.2502 **LAB CODE:** A18-1584

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
48		A2610042	Off-white	Tile	None Detected
49		A2610043	Off-white	Tile	None Detected
50		A2610044	Off-white	Tile	None Detected
51		A2610045A	White	Tile	None Detected
		A2610045B	Clear	Mastic	None Detected
		A2610045C	Off-white	Tile	Chrysotile 2%
		A2610045D	Yellow	Mastic	None Detected
		A2610045E	Gray	Linoleum	None Detected
52		A2610046A	White	Tile	None Detected
		A2610046B	Clear	Mastic	None Detected
		A2610046C		Sample Not Analyzed per COC	
		A2610046D	Yellow	Mastic	None Detected
		A2610046E	Gray	Linoleum	None Detected
53		A2610047A	White	Tile	None Detected
		A2610047B	Clear	Mastic	None Detected
		A2610047C		Sample Not Analyzed per COC	
		A2610047D	Yellow	Mastic	None Detected
		A2610047E	Gray	Linoleum	None Detected
54		A2610048	Brown	Linoleum	None Detected
55		A2610049	Brown	Linoleum	None Detected
56		A2610050	Brown	Linoleum	None Detected
57		A2610051	Gray	Ceiling	Chrysotile 15%
58		A2610052		Sample Not Analyzed per COC	
59		A2610053		Sample Not Analyzed per COC	
60		A2610054	Gray	Pack	Chrysotile 10%
61		A2610055		Sample Not Analyzed per COC	
62		A2610056		Sample Not Analyzed per COC	
63		A2610057	Gray	Insulation	Chrysotile 65%
64		A2610058		Sample Not Analyzed per COC	
65		A2610059		Sample Not Analyzed per COC	
66		A2610060A	Beige	Tile	Chrysotile 5%

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Kenosha; 18-400-001.2502 **LAB CODE:** A18-1584

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
		A2610060B	Black	Mastic	None Detected
67		A2610061A		Sample Not Analyzed per COC	
		A2610061B	Black	Mastic	None Detected
68		A2610062A		Sample Not Analyzed per COC	
		A2610062B	Black	Mastic	None Detected
69		A2610063	Black	Linoleum	None Detected
70		A2610064	Black	Linoleum	None Detected
71		A2610065	Black	Linoleum	None Detected
72		A2610066	Black	Flashing	Chrysotile 10%
73		A2610067		Sample Not Analyzed per COC	
74		A2610068		Sample Not Analyzed per COC	
75		A2610069	Black	Roofing	None Detected
76		A2610070	Black	Roofing	None Detected
77		A2610071	Black	Roofing	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: KPH Environmental Corp
1237 W Bruce St
Milwaukee, WI 53204

Lab Code: A18-1584
Date Received: 01-30-18
Date Analyzed: 02-01-18
Date Reported: 02-02-18

Project: Kenosha; 18-400-001.2502

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
1 A2609995	Fiberboard	Heterogeneous White Fibrous Bound	20%	Cellulose	15% 65%	Metal Foil Foam	None Detected
2 A2609996	Fiberboard	Heterogeneous White Fibrous Bound	20%	Cellulose	15% 65%	Metal Foil Foam	None Detected
3 A2609997	Fiberboard	Heterogeneous White Fibrous Bound	20%	Cellulose	15% 65%	Metal Foil Foam	None Detected
4 A2609998	Siding	Heterogeneous Black Fibrous Bound	20%	Cellulose	15% 65%	Silicates Tar	None Detected
5 A2609999	Siding	Heterogeneous Black Fibrous Bound	20%	Cellulose	15% 65%	Silicates Tar	None Detected
6 A2610000	Siding	Heterogeneous Black Fibrous Bound	20%	Cellulose	15% 65%	Silicates Tar	None Detected
7 A2610001	Paper	Heterogeneous Brown Fibrous Bound	100%	Cellulose			None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: KPH Environmental Corp
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Project: Kenosha; 18-400-001.2502

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
8 A2610002	Paper	Heterogeneous Brown Fibrous Bound	100%	Cellulose			None Detected
9 A2610003	Paper	Heterogeneous Brown Fibrous Bound	100%	Cellulose			None Detected
10 A2610004	Insulation	Heterogeneous White Fibrous Loosely Bound	100%	Fiberglass			None Detected
11 A2610005	Insulation	Heterogeneous White Fibrous Loosely Bound	100%	Fiberglass			None Detected
12 A2610006	Insulation	Heterogeneous White Fibrous Loosely Bound	100%	Fiberglass			None Detected
13 A2610007	Shingle	Heterogeneous Black Fibrous Bound	20%	Fiberglass	15% 65%	Silicates Tar	None Detected
14 A2610008	Shingle	Heterogeneous Black Fibrous Bound	20%	Fiberglass	15% 65%	Silicates Tar	None Detected

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ASBESTOS BULK ANALYSIS

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Project: Kenosha; 18-400-001.2502

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
15 A2610009	Shingle	Heterogeneous Black Fibrous Bound	20% 	Fiberglass 	15% 65%	Silicates Tar	None Detected
16 A2610010	Glazing	Heterogeneous Gray Fibrous Bound	<1% 	Cellulose 	100% 	Binder 	None Detected
17 A2610011	Glazing	Heterogeneous Gray Fibrous Bound	<1% 	Cellulose 	100% 	Binder 	None Detected
18 A2610012	Glazing	Heterogeneous Gray Fibrous Bound	<1% 	Cellulose 	100% 	Binder 	None Detected
19 A2610013	Stucco	Heterogeneous Gray Fibrous Bound	<1% 	Cellulose 	5% 80% 15%	Paint Silicates Binder	None Detected
20 A2610014	Stucco	Heterogeneous Gray Fibrous Bound	<1% 	Cellulose 	5% 80% 15%	Paint Silicates Binder	None Detected
21 A2610015	Stucco	Heterogeneous Gray Fibrous Bound	<1% 	Cellulose 	5% 80% 15%	Paint Silicates Binder	None Detected

ASBESTOS BULK ANALYSIS

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Project: Kenosha; 18-400-001.2502

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
22 A2610016	Caulk	Heterogeneous White Fibrous Bound	<1%	Cellulose	100%	Caulk	None Detected
23 A2610017	Caulk	Heterogeneous White Fibrous Bound	<1%	Cellulose	100%	Caulk	None Detected
24 A2610018	Caulk	Heterogeneous White Fibrous Bound	<1%	Cellulose	100%	Caulk	None Detected
25 Layer 1 A2610019	Brick	Heterogeneous Red Fibrous Bound	<1%	Cellulose	100%	Binder	None Detected
Layer 2 A2610019	Mortar	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	100%	Binder	None Detected
26 Layer 1 A2610020	Brick	Heterogeneous Red Fibrous Bound	<1%	Cellulose	100%	Binder	None Detected
Layer 2 A2610020	Mortar	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	100%	Binder	None Detected

ASBESTOS BULK ANALYSIS

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Project: Kenosha; 18-400-001.2502

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
27 Layer 1 A2610021	Brick	Heterogeneous Red Fibrous Bound	<1%	Cellulose	100%	Binder	None Detected
Layer 2 A2610021	Mortar	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	100%	Binder	None Detected
28 Layer 1 A2610022	Caulk	Heterogeneous Yellow Fibrous Bound	<1%	Cellulose	100%	Caulk	None Detected
Layer 2 A2610022	Caulk	Heterogeneous Tan Fibrous Bound	<1%	Cellulose	100%	Caulk	None Detected
29 Layer 1 A2610023	Caulk	Heterogeneous Yellow Fibrous Bound	<1%	Cellulose	100%	Caulk	None Detected
Layer 2 A2610023	Caulk	Heterogeneous Tan Fibrous Bound	<1%	Cellulose	100%	Caulk	None Detected
30 Layer 1 A2610024	Caulk	Heterogeneous Yellow Fibrous Bound	<1%	Cellulose	100%	Caulk	None Detected

ASBESTOS BULK ANALYSIS

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Project: Kenosha; 18-400-001.2502

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
Layer 2 A2610024	Caulk	Heterogeneous Tan Fibrous Bound	<1%	Cellulose	100%	Caulk	None Detected
31 A2610025	Linoleum	Heterogeneous Tan Fibrous Bound	25%	Cellulose	73% 2%	Vinyl Mastic	None Detected
32 A2610026	Linoleum	Heterogeneous Tan Fibrous Bound	25%	Cellulose	73% 2%	Vinyl Mastic	None Detected
33 A2610027	Linoleum	Heterogeneous Tan Fibrous Bound	25%	Cellulose	73% 2%	Vinyl Mastic	None Detected
34 A2610028	Plaster	Heterogeneous Gray Fibrous Bound	<1% <1%	Cellulose Hair	3% 80% 17%	Paint Silicates Binder	None Detected
35 A2610029	Plaster	Heterogeneous Gray Fibrous Bound	<1% <1%	Cellulose Hair	3% 80% 17%	Paint Silicates Binder	None Detected
36 A2610030	Plaster	Heterogeneous Gray Fibrous Bound	<1% <1%	Cellulose Hair	3% 80% 17%	Paint Silicates Binder	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: KPH Environmental Corp
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Lab Code: A18-1584
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Project: Kenosha; 18-400-001.2502

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
37 A2610031	Plaster	Heterogeneous Gray Fibrous Bound	<1% <1%	Cellulose Hair	3% 80% 17%	Paint Silicates Binder	None Detected
38 A2610032	Plaster	Heterogeneous Gray Fibrous Bound	<1% <1%	Cellulose Hair	3% 80% 17%	Paint Silicates Binder	None Detected
39 A2610033	Drywall/Joint Compound	Heterogeneous White Fibrous Bound	20%	Cellulose	25% 15% 40%	Silicates Calc Carb Gypsum	None Detected
40 A2610034	Drywall/Joint Compound	Heterogeneous White Fibrous Bound	20%	Cellulose	25% 15% 40%	Silicates Calc Carb Gypsum	None Detected
41 A2610035	Drywall/Joint Compound	Heterogeneous White Fibrous Bound	20%	Cellulose	25% 15% 40%	Silicates Calc Carb Gypsum	None Detected
42 Layer 1 A2610036	Tile	Heterogeneous Off-white Non-fibrous Tightly Bound			100%	Binder	None Detected
Layer 2 A2610036	Grout	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	100%	Binder	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

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Milwaukee, WI 53204

Lab Code: A18-1584
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Date Analyzed: 02-01-18
Date Reported: 02-02-18

Project: Kenosha; 18-400-001.2502

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
43 Layer 1 A2610037	Tile	Heterogeneous Off-white Non-fibrous Tightly Bound			100%	Binder	None Detected
Layer 2 A2610037	Grout	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	100%	Binder	None Detected
44 Layer 1 A2610038	Tile	Heterogeneous Off-white Non-fibrous Tightly Bound			100%	Binder	None Detected
Layer 2 A2610038	Grout	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	100%	Binder	None Detected
45 A2610039A	Tile	Heterogeneous Beige Fibrous Tightly Bound			65% 33%	Vinyl Calc Carb	**2% Chrysotile**
Layer 1 A2610039B	Mastic	Heterogeneous Tan Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
Layer 2 A2610039B	Felt Paper	Heterogeneous Black Fibrous Bound	80%	Cellulose	20%	Tar	None Detected
46 A2610040A	Sample Not Analyzed per COC						

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
Layer 1 A2610040B	Mastic	Heterogeneous Tan Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
Layer 2 A2610040B	Felt Paper	Heterogeneous Black Fibrous Bound	80%	Cellulose	20%	Tar	None Detected
47 A2610041A	Sample Not Analyzed per COC						
Layer 1 A2610041B	Mastic	Heterogeneous Tan Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
Layer 2 A2610041B	Felt Paper	Heterogeneous Black Fibrous Bound	80%	Cellulose	20%	Tar	None Detected
48 A2610042	Tile	Heterogeneous Off-white Non-fibrous Tightly Bound			100%	Binder	None Detected
49 A2610043	Tile	Heterogeneous Off-white Non-fibrous Tightly Bound			100%	Binder	None Detected
50 A2610044	Tile	Heterogeneous Off-white Non-fibrous Tightly Bound			100%	Binder	None Detected

ASBESTOS BULK ANALYSIS

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Project: Kenosha; 18-400-001.2502

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
51 A2610045A	Tile	Heterogeneous White Fibrous Tightly Bound			65% 35%	Vinyl Calc Carb	None Detected
A2610045B	Mastic	Heterogeneous Clear Fibrous Bound			100%	Mastic	None Detected
A2610045C	Tile	Heterogeneous Off-white Fibrous Tightly Bound			65% 33%	Vinyl Calc Carb	2% Chrysotile
A2610045D	Mastic	Heterogeneous Yellow Fibrous Tightly Bound	<1%	Cellulose	100%	Mastic	None Detected
A2610045E	Linoleum	Heterogeneous Gray Fibrous Tightly Bound	10% 15%	Cellulose Synthetic Fiber	75%	Vinyl	None Detected
52 A2610046A	Tile	Heterogeneous White Fibrous Tightly Bound			65% 35%	Vinyl Calc Carb	None Detected
A2610046B	Mastic	Heterogeneous Clear Fibrous Bound			100%	Mastic	None Detected
A2610046C	Sample Not Analyzed per COC						

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

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Project: Kenosha; 18-400-001.2502

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
A2610046D	Mastic	Heterogeneous Yellow Fibrous Tightly Bound	<1%	Cellulose	100%	Mastic	None Detected
A2610046E	Linoleum	Heterogeneous Gray Fibrous Tightly Bound	10% 15%	Cellulose Synthetic Fiber	75%	Vinyl	None Detected
53 A2610047A	Tile	Heterogeneous White Fibrous Tightly Bound			65% 35%	Vinyl Calc Carb	None Detected
A2610047B	Mastic	Heterogeneous Clear Fibrous Bound			100%	Mastic	None Detected
A2610047C	Sample Not Analyzed per COC						
A2610047D	Mastic	Heterogeneous Yellow Fibrous Tightly Bound	<1%	Cellulose	100%	Mastic	None Detected
A2610047E	Linoleum	Heterogeneous Gray Fibrous Tightly Bound	10% 15%	Cellulose Synthetic Fiber	75%	Vinyl	None Detected
54 A2610048	Linoleum	Heterogeneous Brown Fibrous Bound	25%	Cellulose	30% 5% 40%	Tar Paint Vinyl	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: KPH Environmental Corp
1237 W Bruce St
Milwaukee, WI 53204

Lab Code: A18-1584
Date Received: 01-30-18
Date Analyzed: 02-01-18
Date Reported: 02-02-18

Project: Kenosha; 18-400-001.2502

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
55 A2610049	Linoleum	Heterogeneous Brown Fibrous Bound	25%	Cellulose	30% 5% 40%	Tar Paint Vinyl	None Detected
56 A2610050	Linoleum	Heterogeneous Brown Fibrous Bound	25%	Cellulose	30% 5% 40%	Tar Paint Vinyl	None Detected
57 A2610051	Ceiling	Heterogeneous Gray Fibrous Bound			85%	Binder	**15% Chrysotile**
58 A2610052	Sample Not Analyzed per COC						
59 A2610053	Sample Not Analyzed per COC						
60 A2610054	Pack	Heterogeneous Gray Fibrous Bound			87% 3%	Binder Paint	**10% Chrysotile**
61 A2610055	Sample Not Analyzed per COC						
62 A2610056	Sample Not Analyzed per COC						
63 A2610057	Insulation	Heterogeneous Gray Fibrous Loosely Bound			35%	Binder	**65% Chrysotile**
64 A2610058	Sample Not Analyzed per COC						

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ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: KPH Environmental Corp
1237 W Bruce St
Milwaukee, WI 53204

Lab Code: A18-1584
Date Received: 01-30-18
Date Analyzed: 02-01-18
Date Reported: 02-02-18

Project: Kenosha; 18-400-001.2502

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
65 A2610059	Sample Not Analyzed per COC						
66 A2610060A	Tile	Heterogeneous Beige Fibrous Tightly Bound			65% 30%	Vinyl Calc Carb	5% Chrysotile
A2610060B	Mastic	Heterogeneous Black Fibrous Bound	<1%	Cellulose	100%	Mastic	None Detected
67 A2610061A	Sample Not Analyzed per COC						
A2610061B	Mastic	Heterogeneous Black Fibrous Bound	<1%	Cellulose	100%	Mastic	None Detected
68 A2610062A	Sample Not Analyzed per COC						
A2610062B	Mastic	Heterogeneous Black Fibrous Bound	<1%	Cellulose	100%	Mastic	None Detected
69 A2610063	Linoleum	Heterogeneous Black Fibrous Bound	20%	Cellulose	5% 45% 30%	Paint Tar Vinyl	None Detected
70 A2610064	Linoleum	Heterogeneous Black Fibrous Bound	20%	Cellulose	5% 45% 30%	Paint Tar Vinyl	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: KPH Environmental Corp
1237 W Bruce St
Milwaukee, WI 53204

Lab Code: A18-1584
Date Received: 01-30-18
Date Analyzed: 02-01-18
Date Reported: 02-02-18

Project: Kenosha; 18-400-001.2502

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
71 A2610065	Linoleum	Heterogeneous Black Fibrous Bound	20%	Cellulose	5% 45% 30%	Paint Tar Vinyl	None Detected
72 A2610066	Flashing	Heterogeneous Black Fibrous Bound			90%	Tar	10% Chrysotile
73 A2610067	Sample Not Analyzed per COC						
74 A2610068	Sample Not Analyzed per COC						
75 A2610069	Roofing	Heterogeneous Black Fibrous Bound	20%	Fiberglass	80%	Tar	None Detected
76 A2610070	Roofing	Heterogeneous Black Fibrous Bound	20%	Fiberglass	80%	Tar	None Detected
77 A2610071	Roofing	Heterogeneous Black Fibrous Bound	20%	Fiberglass	80%	Tar	None Detected

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LEGEND:	Non-Anth	= Non-Asbestiform Anthophyllite
	Non-Trem	= Non-Asbestiform Tremolite
	Calc Carb	= Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: <1% by visual estimation

REPORTING LIMIT FOR POINT COUNTS: 0.25% by 400 Points or 0.1% by 1,000 Points

REGULATORY LIMIT: >1% by weight

Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. Estimated measurement of uncertainty is available on request.

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. Samples were received in acceptable condition unless otherwise noted. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

ANALYST: Saithya Painkal

APPROVED BY: Tianbao Bai, Ph.D., CIH
Laboratory Director

NVLAP TESTING
NVLAP LAB CODE 101768-0

ASBESTOS CHAIN OF CUSTODY

(77) A18.1584 A2609995 A2610071

CEI LABS

730 SE Maynard Road, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

LAB USE ONLY:
CEI Lab Code:
CEI Lab I.D. Range:

COMPANY INFORMATION		PROJECT INFORMATION	
CEI CLIENT #:		Job Contact:	Dean Jacobsen
Company:	KPH Environmental Corp.	Email / Tel:	414-647-1530
Address:	1237 West Bruce Street	Project Name:	Kenosha
	Milwaukee, WI 53204	Project ID#:	18-400-001. 2502
Email:	dean.jacobsen@kphenvironmental.com	PO #:	
Tel: (414) 647-1530	Fax: (414) 647-1540	STATE SAMPLES COLLECTED IN:	WI

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	☐	☐	☐	☐	☒	☐
PLM POINT COUNT (400)	EPA 600	☐	☐	☐	☐	☐	☐
PLM POINT COUNT (1000)	EPA 600	☐	☐	☐	☐	☐	☐
PLM GRAV w POINT COUNT	EPA 600		☐	☐	☐	☐	☐
PLM BULK	CARB 435		☐	☐	☐	☐	☐
PCM AIR	NIOSH 7400	☐	☐	☐	☐	☐	☐
TEM AIR	EPA AHERA	☐	☐	☐	☐	☐	☐
TEM AIR	NIOSH 7402	☐	☐	☐	☐	☐	☐
TEM AIR	ISO 10312	☐	☐	☐	☐	☐	☐
TEM AIR	ASTM 6281-09	☐	☐	☐	☐	☐	☐
TEM BULK	CHATFIELD		☐	☐	☐	☐	☐
TEM DUST WIPE	ASTM D6480-05	☐	☐	☐	☐	☐	☐
TEM DUST MICROVAC	ASTM D5755-09	☐	☐	☐	☐	☐	☐
TEM SOIL	ASTM D7521-13			☐	☐	☐	☐
TEM VERMICULITE	CINCINNATI METHOD			☐	☐	☐	☐
OTHER:		☐	☐	☐	☐	☐	☐

REMARKS / SPECIAL INSTRUCTIONS:

Test until >1% for each homogeneous material

☑ Accept Samples

☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
Dean Jacobsen	1/29/18 1700	AD	9:10 / 1-30-18

Samples will be disposed of 30 days after analysis

Page 1 of 4

ASBESTOS SAMPLING FORM

18-1581

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COMPANY CONTACT INFORMATION	
Company: KPH Environmental Corp.	Job Contact: Dean Jacobsen
Project Name: Kenosha	
Project ID #: 18-400-001.	Tel: (414) 647-1530

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
1	Fiberboard		PLM ☒	TEM ☐
2	↓		PLM ☐	TEM ☐
3	↓		PLM ☐	TEM ☐
4	Siding		PLM ☐	TEM ☐
5	↓		PLM ☐	TEM ☐
6	↓		PLM ☐	TEM ☐
7	Paper		PLM ☐	TEM ☐
8	↓		PLM ☐	TEM ☐
9	↓		PLM ☐	TEM ☐
10	Insulation		PLM ☐	TEM ☐
11	↓		PLM ☐	TEM ☐
12	↓		PLM ☐	TEM ☐
13	Shingle		PLM ☐	TEM ☐
14	↓		PLM ☐	TEM ☐
15	↓		PLM ☐	TEM ☐
16	Glazing		PLM ☐	TEM ☐
17	↓		PLM ☐	TEM ☐
18	↓		PLM ☐	TEM ☐
19	Stucco		PLM ☐	TEM ☐
20	↓		PLM ☐	TEM ☐
21	↓		PLM ☐	TEM ☐
22	Caulk		PLM ☐	TEM ☐
23	↓		PLM ☐	TEM ☐
24	↓		PLM ☐	TEM ☐
25	Brick/Mortar		PLM ☐	TEM ☐
26	↓		PLM ☐	TEM ☐
27	↓		PLM ☐	TEM ☐
28	Caulk		PLM ☑	TEM ☐

A18-1584

ASBESTOS SAMPLING FORM

CEI LABS

COMPANY CONTACT INFORMATION	
Company: KPH Environmental Corp.	Job Contact: Dean Jacobsen
Project Name: Kenosha	
Project ID #: 18-400-001.	Tel: (414) 647-1530

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
29	Caulk		PLM ☒	TEM ☐
30	↓		PLM ☐	TEM ☐
31	Linoleum		PLM ☐	TEM ☐
32	↓		PLM ☐	TEM ☐
33	↓		PLM ☐	TEM ☐
34	Plaster		PLM ☐	TEM ☐
35	↓		PLM ☐	TEM ☐
36	↓		PLM ☐	TEM ☐
37	↓		PLM ☐	TEM ☐
38	↓		PLM ☐	TEM ☐
39	Drywall		PLM ☐	TEM ☐
40	↓		PLM ☐	TEM ☐
41	↓		PLM ☐	TEM ☐
42	Tile		PLM ☐	TEM ☐
43	↓		PLM ☐	TEM ☐
44	↓		PLM ☐	TEM ☐
45	Tile		PLM ☐	TEM ☐
46	↓		PLM ☐	TEM ☐
47	↓		PLM ☐	TEM ☐
48	Tile		PLM ☐	TEM ☐
49	↓		PLM ☐	TEM ☐
50	↓		PLM ☐	TEM ☐
51	Tile		PLM ☐	TEM ☐
52	↓		PLM ☐	TEM ☐
53	↓		PLM ☐	TEM ☐
54	Linoleum		PLM ☐	TEM ☐
55	↓		PLM ☐	TEM ☐
56	↓		PLM ☑	TEM ☐

AS.1584

ASBESTOS SAMPLING FORM

CEI LABS

COMPANY CONTACT INFORMATION	
Company: KPH Environmental Corp.	Job Contact: Dean Jacobsen
Project Name: Kenosha	
Project ID #: 18-400-001.	Tel: (414) 647-1530

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
57	Ceiling		PLM ☒	TEM ☐
58	↓		PLM ☐	TEM ☐
59	↓		PLM ☐	TEM ☐
60	Flue Pack		PLM ☐	TEM ☐
61	↓		PLM ☐	TEM ☐
62	↓		PLM ☐	TEM ☐
63	Insulation		PLM ☐	TEM ☐
64	↓		PLM ☐	TEM ☐
65	↓		PLM ☐	TEM ☐
66	Tile		PLM ☐	TEM ☐
67	↓		PLM ☐	TEM ☐
68	↓		PLM ☐	TEM ☐
69	Linoleum		PLM ☐	TEM ☐
70	↓		PLM ☐	TEM ☐
71	↓		PLM ☐	TEM ☐
72	Flashing		PLM ☐	TEM ☐
73	↓		PLM ☐	TEM ☐
74	↓		PLM ☐	TEM ☐
75	Roofing		PLM ☐	TEM ☐
76	↓		PLM ☐	TEM ☐
77	↓		PLM ☑	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐

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ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

KPH Environmental Corp

CLIENT PROJECT: Kenosha; 18-400-001.2502

LAB CODE: A18-1584.1

TEST METHOD: PLM Gravimetric Point Count
EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 02/06/18

TEL: 866-481-1412

www.ceilabs.com

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: KPH Environmental Corp
1237 W Bruce St
Milwaukee, WI 53204

Lab Code: A18-1584.1
Date Received: 02-02-18
Date Analyzed: 02-01-18
Date Reported: 02-06-18

Project: Kenosha; 18-400-001.2502

ASBESTOS GRAVIMETRIC POINT COUNT PLM, EPA 600 METHOD

Client ID Lab ID	Material Description	Sample Weight (g)	Organic Material (%)	Acid Soluble Material (%)	Acid Insoluble Material (%)	ASBESTOS %	
45 A2610039A	Tile	0.299	24	60	15	**0.94%**	**Chrysotile**
51 A2610045C	Tile	0.436	23	68	8.1	**1.1%**	**Chrysotile**

LEGEND: None

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: Varies with the weight and constituents of the sample (<0.25%)

REGULATORY LIMIT: >1% by weight

ANALYST: Saithya Painkal

APPROVED BY: Tianbao Bai, Ph.D., CIH
Laboratory Director

NVLAP TESTING
NVLAP LAB CODE 101768-0

ASBESTOS CHAIN OF CUSTODY

CEI LABS
730 SE Maynard Road, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

LAB USE ONLY:
CEI Lab Code:
CEI Lab I.D. Range:

COMPANY INFORMATION	PROJECT INFORMATION
CEI CLIENT #:	Job Contact: Dean Jacobsen
Company: KPH Environmental Corp.	Email / Tel: 414-647-1530
Address: 1237 West Bruce Street	Project Name: Kenosha
Milwaukee, WI 53204	Project ID#: 18-400-001.2502
Email: dean.jacobsen@kphenvironmental.com	PO #:
Tel: (414) 647-1530 Fax: (414) 647-1540	STATE SAMPLES COLLECTED IN: WI

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	☐	☐	☐	☐	☑	☐
PLM POINT COUNT (400)	EPA 600	☐	☐	☐	☐	☐	☐
PLM POINT COUNT (1000)	EPA 600	☐	☐	☐	☐	☐	☐
PLM GRAV w POINT COUNT	EPA 600		☐	☐	☐	☒	☐
PLM BULK	CARB 435		☐	☐	☐	☐	☐
PCM AIR	NIOSH 7400	☐	☐	☐	☐	☐	☐
TEM AIR	EPA AHERA	☐	☐	☐	☐	☐	☐
TEM AIR	NIOSH 7402	☐	☐	☐	☐	☐	☐
TEM AIR	ISO 10312	☐	☐	☐	☐	☐	☐
TEM AIR	ASTM 6281-09	☐	☐	☐	☐	☐	☐
TEM BULK	CHATFIELD		☐	☐	☐	☐	☐
TEM DUST WIPE	ASTM D6480-05	☐	☐	☐	☐	☐	☐
TEM DUST MICROVAC	ASTM D5755-09	☐	☐	☐	☐	☐	☐
TEM SOIL	ASTM D7521-13			☐	☐	☐	☐
TEM VERMICULITE	CINCINNATI METHOD			☐	☐	☐	☐
OTHER:		☐	☐	☐	☐	☐	☐

REMARKS / SPECIAL INSTRUCTIONS:

Lab Code A18-1584

☐ Accept Samples

☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
	7/7/18 840		

Samples will be disposed of 30 days after analysis

ASBESTOS SAMPLING FORM

CEI LABS

COMPANY CONTACT INFORMATION			
Company:	KPH Environmental Corp.	Job Contact:	Dean Jacobsen
Project Name:	Kenosha		
Project ID #:	18-400-001.2502	Tel:	(414) 647-1530

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
45	Tile		PLM	X	TEM	
51	Off White Tile		PLM	X	TEM	
			PLM		TEM	
			PLM		TEM	
			PLM		TEM	
			PLM		TEM	
			PLM		TEM	
			PLM		TEM	
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			PLM		TEM	
			PLM		TEM	

Page 2 of 2

B. PAINT LABORATORY RESULTS

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Eurofins CEI
730 SE Maynard Road, Cary, NC 27511
Phone: (919) 481-1413 Fax: (919) 481-1442

LABORATORY REPORT
LEAD IN PAINT

Client: **KPH Environmental Corp**
1237 W Bruce St
Milwaukee, WI 53204

Lab Code: C18-0077
Received: 01-30-18
Analyzed: 02-02-18
Reported: 02-02-18

Project: Kenosha; 18-400-001.2502

ANALYSIS METHOD: EPA SW846 7000B

CLIENT ID	LAB ID	PPM (µg/g)	CONCENTRATION % BY WEIGHT
P01	CA63319	1100	**0.11**
Sample contains substrate, potentially affecting results			
P02	CA63320	<43	**<0.0043**

Reviewed By:

Tianbao Bai, Ph.D.
Laboratory Director

This method has been validated for sample weights of 0.020g or greater. When samples with a weight of less than that are analyzed those results fall outside of the scope of accreditations.
*** The analysis of composite wipe samples as a single samples is not included under AIHA accreditation.**

Minimum reporting limit is 10 µg total lead. Sample results denoted with a "less than" (<) sign contain less than 10.0 µg total lead, based on a 40ml sample volume.

Lead samples are not analyzed by Eurofins CEI Lead samples are submitted to an AIHA ELLAP accredited laboratory for lead analysis of soil, dust, paint, and TCLP samples.
Laboratory results represent the analysis of samples as submitted by the client. Information regarding sample location, description, area, volume, etc., was provided by the client. Unless notified in writing to return samples, Eurofins CEI discards client samples after 30 days. This report shall not be reproduced, except in full, without the written consent of Eurofins CEI.

REGULATORY LIMITS
OSHA Standard: No safe limit.
Consumer Products Safety Standard: Greater than 0.06% lead by weight.
Federal Lead Standard / HUD: 0.5% lead by weight.

LEGEND
µg = microgram
ml = milliliter
ppm = parts per million
Pb = lead
g = grams
wt = weight

End of Report

METALS
CHAIN OF CUSTODY

730 SE Maynard Road, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

LAB USE ONLY:
CEI Lab Code: C18-0677 (2)
CEI Lab I.D. Range: CA63319 – CA63320

COMPANY INFORMATION		PROJECT INFORMATION	
CEI CLIENT #:		Job Contact:	Dean Jacobsen
Company:	KPH Environmental Corp.	Email / Tel:	414-647-1530
Address:	1237 W. Bruce St.	Project Name:	Kenosha
	Milwaukee, WI 53204	Project ID#	18-400-001. 2502
Email:	dean.jacobsen@kphenvironmental.com	PO #:	
Tel: 414-647-1530	Fax: 414-647-1540	STATE SAMPLES COLLECTED IN:	WI

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR**	8 HR**	24 HR**	2 DAY	3 DAY	5 DAY
LEAD PAINT	EPA SW846 7000B				☐	☒	☐
LEAD WIPE	EPA SW846 7000B				☐	☐	☐
LEAD SOIL	EPA SW846 7000B				☐	☐	☐
LEAD AIR	NIOSH 7082				☐	☐	☐
LEAD TCLP	EPA SW846 7000B				☐	☐	☐
RCRA 8 METALS	EPA SW846 7000B				☐	☐	☐
RCRA 8 TCLP	EPA SW846 7000B				☐	☐	☐
OTHER:					☐	☐	☐

TAT IS NOT AVAILABLE. LEAD SAMPLES ARE SUBCONTRACTED FOR ANALYSIS TO AN ELLAP ACCREDITED LAB.

REMARKS:	☑ Accept Samples ☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
	12/29/18 1700	AD	9:10 / 1-30-18

Samples will be disposed of 30 days after analysis

08-0077

METALS SAMPLING FORM

CEI LABS

COMPANY CONTACT INFORMATION			
Company:	KPH Environmental Corp.	Job Contact:	Dean Jacobsen
Project Name:	Kenosha		
Project ID #:	18-400-001.	Tel:	414-647-1530

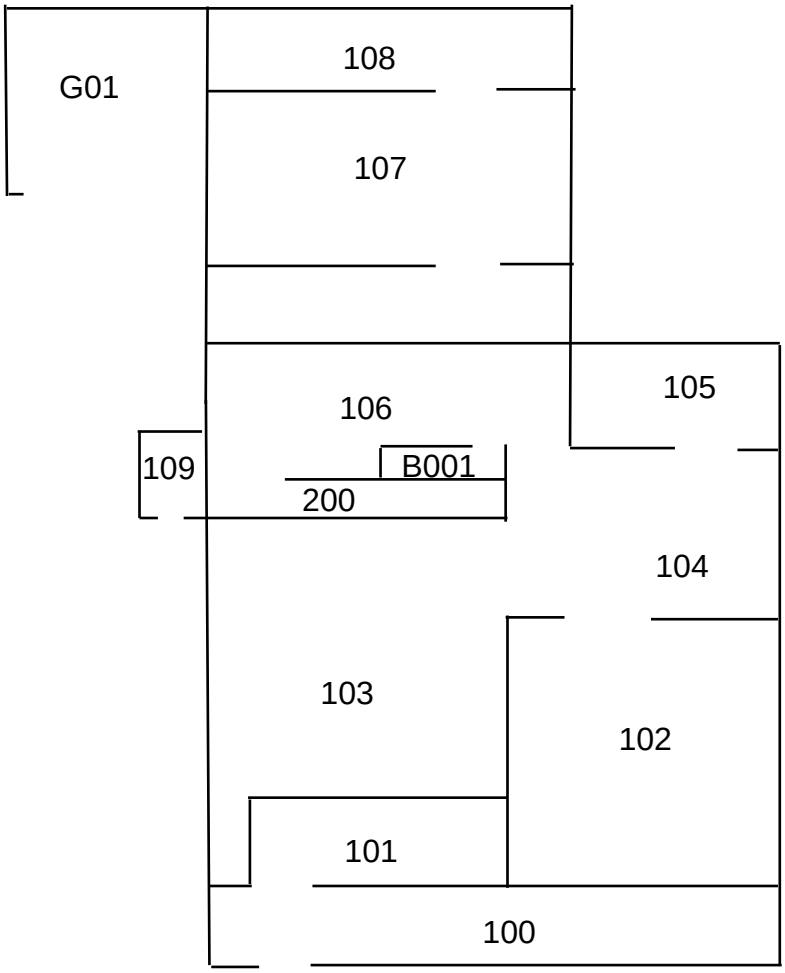
SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/AREA	COMMENTS
P01	Wall		
P02	↓		

C. FLOOR PLAN

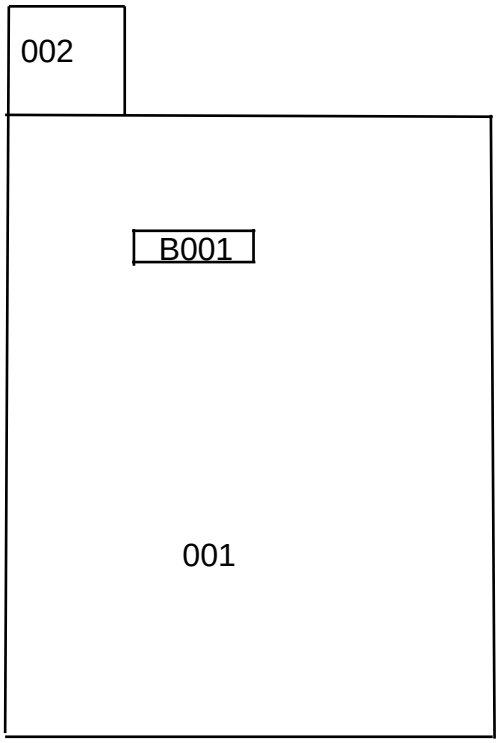
Duplex Residence
2502 54th Street
Kenosha, Wisconsin

N

1st Floor



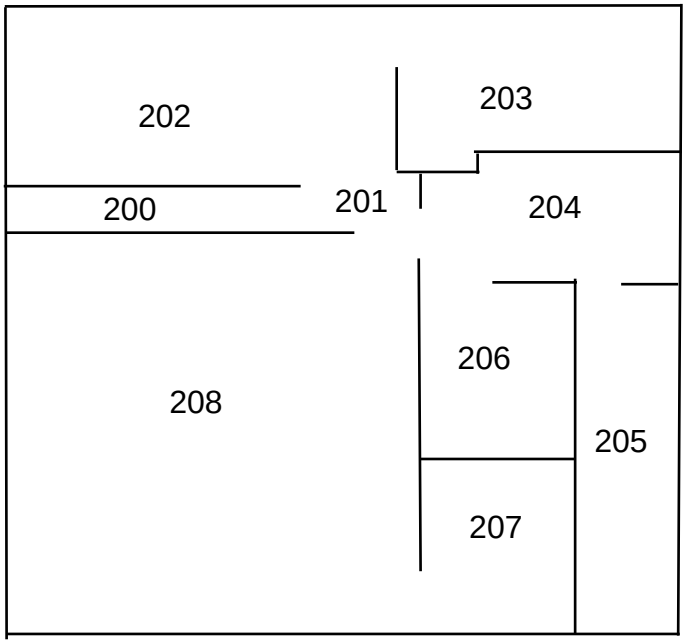
Basement



Duplex Residence
2502 54th Street
Kenosha, Wisconsin

2nd Floor

N



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: 06/06/2016
Expiration Date: 09/10/2018, 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

Shelley A Bruce

Shelley A Bruce,
Unit Supervisor

Scott Walker
Governor

Linda Seemeyer
Secretary

April 10, 2017

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

DAMIAN SCOTT ROGOWSKI
1237 W BRUCE ST
MILWAUKEE WI 53204-1218

ID# AII-161300

Congratulations! Your new Wisconsin certification card is enclosed. 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, by using our Lead and Asbestos Online Certification website, 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.
   - 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.
   - Lead-certified individuals can refresh up to **1 year** before the due date.
     Find lead training providers at 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 or 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 y
professional responsibility. Contact us if you have an
below and on the back of your blue card.

The Lead and Asbestos Certification Program
(608) 261-6876
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www.dhs.wisconsin.gov/lead

COPY

City of Kenosha

General Location Map

Subject Property: 2721 63rd Street
PIN: 01-122-01-152-002

0 150
Feet

DCDI ~ Community Development Division ~ JBL ~ ZK ~ February 22, 2018 ~ mc

PRE-DEMOLITION INSPECTION REPORT
Job Site:

Single Family Residence
2721 63rd Street
Kenosha, Wisconsin

For:

City of Kenosha
Department of Community Development and Inspections
Municipal Building, Room 308
325 52nd Street
Kenosha, Wisconsin 53140

KPH Project # 18-400-001.2721

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

KPH Environmental
1237 West Bruce Street
Milwaukee, Wisconsin 53204

February 2018

TABLE OF CONTENTS

Pre-Demolition Inspection Report
2721 63rd Street
Kenosha, Wisconsin

EXECUTIVE SUMMARY

KPH Environmental Corp (KPH), was retained by the City of Kenosha Department of Community Development and Inspections to conduct an inspection of the single family residence at 2721 63rd Street, Kenosha, Wisconsin, prior to demolition. KPH conducted a visual inspection for asbestos, potential lead painted recyclable surfaces, and universal wastes. KPH collected asbestos bulk samples and paint chip samples for laboratory analysis.

Asbestos was detected above the regulatory level of 1% in roof flashing on the house and duct wrap behind 1st floor walls grills, on basement ducts, and in basement floor debris. Asbestos containing materials were assumed to be in the electrical boxes.

Under state and federal laws, the duct wrap would need to be abated by a Wisconsin certified asbestos company prior to building demolition. The roof flashing may also require abatement prior to demolition. Asbestos containing materials were assumed to be in the basement electrical box and may also have to be abated prior to demolition. Other materials tested during the inspection do not contain asbestos. Results are in Section II of this report.

Paint sample testing revealed that lead was detected in interior basement samples but below the lead based paint standard of 0.5%.

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

I. INTRODUCTION

KPH Environmental Corp., (KPH) was retained by the City of Kenosha Department of Community Development and Inspections to conduct a pre-demolition inspection of the single family residence at 2721 63rd Street, Kenosha, Wisconsin, for the following:

- Suspect asbestos containing materials
- Suspect lead painted surfaces that could be recycled, such as brick, concrete block, concrete, and metal
- Universal wastes such as refrigerators, light bulbs and PCB containing light fixture ballasts

Zohrab Khaligian, the City of Kenosha, authorized KPH to conduct an inspection and to analyze samples collected during the inspection. The inspection of the building at 2721 63rd Street, Kenosha, Wisconsin, was conducted on January 26, 2018, to cover the items listed above. The inspection was conducted by Damian Rogowski, Wisconsin Asbestos Inspector License No. 161300. 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, 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. This includes all materials except wood, metal, fiberglass, and glass. 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 uses U.S. EPA sampling protocols to collect 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 damage and 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 building as required by US EPA NESHAP regulation 40 CFR 61 Subpart M, and NR 447 of the Wisconsin Administrative Code:

- Asphalt roofing
- Roof flashing
- Paper insulation
- Stucco
- Window glazing compound
- Caulk
- Blown in insulation
- Glass block mortar
- Texture
- Plaster
- Fiberboard
- Ceramic tile
- Drywall/joint compound
- Linoleum

- Flue packing
- Linoleum/mastic
- Duct wrap
- Floor tile/mastic
- Stone wall mortar

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 CEI Labs, Inc., of Cary, North Carolina, 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, crodcidolite, 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
1	Roof – north side – black asphalt shingle	Negative	MRSk
2	Roof – south side – black asphalt shingle	Negative	MRSk
3	Roof – west side – black asphalt shingle	Negative	MRSk
4	**Roof – north side at vent pipe – flashing**	**Positive 10% Chrysotile**	**MRF**
5	Not Analyzed Due to Prior Positive Sample	Negative	MRF
6	Not Analyzed Due to Prior Positive Sample	Negative	MRF
7	Exterior – northeast wall under wood siding – paper insulation	Negative	MPI
8	Exterior – east wall under wood siding – paper insulation	Negative	MPI
9	Exterior – south wall under wood siding – paper insulation	Negative	MPI
10	Basement – exterior on west wall – stucco	Negative	STC

Sample #	Location and Description	Results	Homogeneous Code
11	Basement – exterior on southwest wall – stucco	Negative	STC
12a	Basement – exterior on east wall – stucco	Negative	STC
12b	Basement – exterior on east wall on stucco – gray caulk	Negative	STC
13	Exterior –on northeast window – glazing compound	Negative	MPG
14	Exterior –on northeast window – glazing compound	Negative	MPG
15	Exterior –on northeast window – glazing compound	Negative	MPG
16	Exterior – around south window – white caulk	Negative	MCLKw
17	Exterior – around north window – white caulk	Negative	MCLKw
18	Exterior – around west window – white caulk	Negative	MCLKw
19	Exterior – in south wall – blown in insulation	Negative	MBI
20	Exterior – in south wall – blown in insulation	Negative	MBI
21	Exterior – in south wall – blown in insulation	Negative	MBI
22	Basement – exterior on south window – glass block mortar	Negative	MGBM
23	Basement – exterior on east window – glass block mortar	Negative	MGBM
24	Basement – exterior on west window – glass block mortar	Negative	MGBM
25	2nd floor – room 200 – on south wall – texture	Negative	STX
26	2nd floor – room 200 – on south wall – texture	Negative	STX
27	2nd floor – room 202 – on west wall – texture	Negative	STX
28a	2nd floor – room 200 – south wall – plaster skim coat	Negative	SPl
28b	2nd floor – room 200 – south wall – plaster base coat	Negative	SPl
29a	2nd floor – room 204 – south wall – plaster skim coat	Negative	SPl
29b	2nd floor – room 204 – south wall – plaster base coat	Negative	SPl
30a	2nd floor – room 201 – east wall – plaster skim coat	Negative	SPl
30b	2nd floor – room 201 – east wall – plaster base coat	Negative	SPl
31a	1st floor – room 100 – east wall – plaster skim coat	Negative	SPl
31b	1st floor – room 100 – east wall – plaster base coat	Negative	SPl
32a	1st floor – room 104 – south wall – plaster skim coat	Negative	SPl
32b	1st floor – room 104 – south wall – plaster base coat	Negative	SPl
34	2nd floor – room 200 – on ceiling over stairs – fiberboard	Negative	MFB
35	2nd floor – room 200 – on ceiling over stairs – fiberboard	Negative	MFB
36	Basement – room 001 – on ceiling over stairs – fiberboard	Negative	MFB
37a	2nd floor – room 201 – floor north side – tan ceramic tile	Negative	MCTMt
37b	2nd floor – room 201 – floor north side – grout	Negative	MCTMt
38a	2nd floor – room 201 – floor east side – tan ceramic tile	Negative	MCTMt
38b	2nd floor – room 201 – floor east side – grout	Negative	MCTMt
39a	1st floor – room 100 floor – top layer – tan ceramic tile	Negative	MCTMt
39b	1st floor – room 100 floor – top layer – grout	Negative	MCTMt
40a	2nd floor – room 201 – on north shower wall – white ceramic tile	Negative	MCTMw
40b	2nd floor – room 201 – on north shower wall – under white ceramic tile – white mastic	Negative	MCTMw
40c	2nd floor – room 201 – on north shower wall – grout	Negative	MCTMw
41a	2nd floor – room 201 – on south shower wall – white ceramic tile	Negative	MCTMw
41b	2nd floor – room 201 – on south shower wall – under white ceramic tile – white mastic	Negative	MCTMw
41c	2nd floor – room 201 – on south shower wall – grout	Negative	MCTMw
42a	2nd floor – room 201 – on south shower wall – white ceramic tile	Negative	MCTMw

Sample #	Location and Description	Results	Homogeneous Code
42b	2nd floor – room 201 – on south shower wall – under white ceramic tile – white mastic	Negative	MCTMw
42c	2nd floor – room 201 – on south shower wall – grout	Negative	MCTMw
43	2nd floor – room 201 – south wall – drywall/joint compound	Negative	MDW
44	2nd floor – room 204 – east wall – drywall/joint compound	Negative	MDW
45	1st floor – room 104 – east wall – drywall/joint compound	Negative	MDW
46a	1st floor – room 100 – south side bottom layer – tan linoleum	Negative	MFLt
46b	1st floor – room 100 – south side bottom layer – under tan linoleum – tan mastic	Negative	MFLt
47a	1st floor – room 100 – east side bottom layer – tan linoleum	Negative	MFLt
47b	1st floor – room 100 – east side bottom layer – under tan linoleum – tan mastic	Negative	MFLt
48a	1st floor – room 100 – north side bottom layer – tan linoleum	Negative	MFLt
48b	1st floor – room 100 – north side bottom layer – under tan linoleum – tan mastic	Negative	MFLt
49	1st floor – room 100 – on counter under ceramic tile – white and brown linoleum	Negative	MFLwn
50	1st floor – room 100 – on counter under ceramic tile – white and brown linoleum	Negative	MFLwn
51	1st floor – room 100 – on counter under ceramic tile – white and brown linoleum	Negative	MFLwn
52	1st floor – room 101 – on northwest corner wall – flue packing	Negative	TFP
53	Basement – room 001 – on south side of chimney – flue packing	Negative	TFP
54	Basement – room 001 – on west side of chimney – flue packing	Negative	TFP
55	**1st floor – room 101 – on south wall duct – duct wrap**	**Positive 65% Chrysotile**	**TDW**
56	Not Analyzed Due to Prior Positive Sample	N/A	TDW
57	Not Analyzed Due to Prior Positive Sample	N/A	TDW
58a	1st floor – room 105 – center of room on carpet – 12" white floor tile	Negative	MF12w
58b	1st floor – room 105 – center of room on carpet – under 12" white floor tile – tan mastic	Negative	MF12w
59a	1st floor – room 105 – center of room on carpet – 12" white floor tile	Negative	MF12w
59b	1st floor – room 105 – center of room on carpet – under 12" white floor tile – tan mastic	Negative	MF12w
60a	1st floor – room 105 – center of room on carpet – 12" white floor tile	Negative	MF12w
60b	1st floor – room 105 – center of room on carpet – under 12" white floor tile – tan mastic	Negative	MF12w
61	1st floor – room 103 west side – brown and tan linoleum	Negative	MFLnt
62	1st floor – room 103 east side – brown and tan linoleum	Negative	MFLnt
63	1st floor – room 103 south side – brown and tan linoleum	Negative	MFLnt
64a	Basement – room 001 – north wall – plaster #2 skim coat	Negative	SPl2

Sample #	Location and Description	Results	Homogeneous Code
64b	Basement – room 001 – north wall – plaster #2 base coat	Negative	SPl2
65a	Basement – room 001 – east wall – plaster #2 skim coat	Negative	SPl2
65b	Basement – room 001 – east wall – plaster #2 base coat	Negative	SPl2
66a	Basement – room 001 – south wall – plaster #2 skim coat	Negative	SPl2
66b	Basement – room 001 – south wall – plaster #2 base coat	Negative	SPl2
66a	2nd floor – room 200 – north side – 12" yellow floor tile	Negative	MF12l
67	Basement – room 001 – on north wall – stone wall mortar	Negative	MSM
68	Basement – room 001 – on west wall – stone wall mortar	Negative	MSM
69	Basement – room 001 – on east wall – stone wall mortar	Negative	MSM

Homogeneous Material Codes

SPl	Plaster
SPl2	Plaster Basement
STC	Stucco
STX	Texture
MRSk	Black Asphalt Shingle
MRF	Roof Flashing
MPI	Paper Insulation
MPG	Glazing Compound
MCLKw	White Caulk
MBI	Blown in Insulation
MGBM	Glass Block Mortar
MFB	Fiberboard
MCTMt	Tan Ceramic Tile
MCTMw	White Ceramic Tile
MDW	Drywall/Joint Compound
MFLt	Tan Linoleum
MFLwn	White & Brown Linoleum
MFLnt	Brown & Tan Linoleum
MF12w	12" White Floor Tile
MSM	Stone Wall Mortar
TFP	Flue Packing
TDW	Duct Wrap

E. Asbestos Locations and Quantities

Two (2) of the materials sampled contain greater than 1% asbestos and are asbestos containing materials (ACM): roof flashing and duct wrap.

Material	Homogeneous Code	Location	Approximate Quantity	Condition
Duct Wrap	TDW	1st Floor Room 101, 102, & 104 on Ducts Under Wall Grills In 1st Floor Walls in Rooms 101, 102, & 104 Basement Room 001 on Ducts, Debris on Floor	12 SF 60 SF 25 SF Basment Ducts 530 SF Basement Floor	Poor
Roof Flashing	MRF	Roof at Chimney & Pipe Penetrations	6 SF	Good

The duct wrap is a friable asbestos containing material. It was in poor condition at the time of the inspection and meets the definition of a regulated asbestos containing material (RACM) as defined under NR 447 of the Wisconsin Administrative Code.

The roof flashing is a category I non-friable asbestos containing material. It was in good (non-friable) condition at the time of the inspection. If this material is subjected to sanding, grinding, cutting or abrading during demolition, it would be then be defined as a regulated asbestos containing material (RACM) under NR 447 of the Wisconsin Administrative Code.

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. If the category I non-friable asbestos containing materials 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.

Assumed Asbestos Containing Materials

Material	Location	Approximate Quantity	Condition
Electrical Panels – Suspect Transite	Basement Electrical Box	1 Box	Good

A friable asbestos problem does not exist at the site.

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 and sampling testing at the single family residence at 2721 63rd Street, Kenosha, Wisconsin, took place on January 26, 2018. A room by room inspection was conducted of metal, block, brick, or concrete locations scheduled for demolition, noting the location, substrate, and color of these painted surfaces. Not all surfaces were sampled - Representative samples of paint were

collected from painted surfaces representing different paint colors and substrates. The results apply only to those surfaces that were sampled.

The OSHA Lead in Construction regulation 29CFR 1926.62 applies whenever workers may be exposed to lead during construction work.

The inspection protocol in KPHs Building Inspection Standard Operating Procedures was used.

B. Component Testing Results

In an effort to develop a painting history of the building, specific component types were tested for the presence of lead in paint. Reference Paint Test Results below. The laboratory report is in Appendix B.

Interior: Single family residence at 2721 63rd Street, Kenosha, Wisconsin

- Painted stone walls and concrete floor were observed in the basement. Lead was detected in both samples but less than the 0.5% lead based paint standard.

Exterior: Single family residence at 2721 63rd Street, Kenosha, Wisconsin

- Painted metal, block, brick, or concrete was not observed on the exterior.

The following are the laboratory results. Lead based paint was not detected.

Paint Testing Results					
Sample	**Room**	**Component**	**Substrate**	**Color**	**Result (% Lead)**
P01	Basement	East Wall	Stone	White	0.0069
P02	Basement	Floor	Concrete	Gray	0.019

Where lead in paint is known or suspected, the owner and contractors must follow the OSHA lead in construction regulation 29CFR 1926.62. This applies if any amount of lead is present, not just for lead based paint (>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.

KPH recommends that U.S. EPA 40CFR 745 and Wisconsin DHS 163 lead safe renovation procedures be followed to contain and properly clean up any lead dust created during renovation.

According to the WDNR Concrete Recycling and Disposal Fact Sheet, building materials from remodeling or demolition debris that contain lead based paint are considered a solid waste. They may not be recycled unless an exemption is obtained from the Department (DNR Form 4400-274).

IV. UNIVERSAL WASTES

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

Material	Location	Approximate Quantity
Paint	Room 105	5 Gallons
Furnace-Mercury Switch	Room 001	1
Water Heater-Mercury Switch	Room 001	1

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 its 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 some 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 painted locations that were sampled on the building. This report represents the condition of the building and the visible/accessible locations sampled 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 Kenosha. 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

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ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

KPH Environmental Corp

CLIENT PROJECT: Kenosha; 18-400-001.2721

LAB CODE: A18-1583

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 02/02/18

TOTAL SAMPLES ANALYZED: 64

SAMPLES >1% ASBESTOS: 2

TEL: 866-481-1412

www.ceilabs.com

eurofins | CEI

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Kenosha; 18-400-001.2721 **LAB CODE:** A18-1583

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
1		A2609927	Black	Shingle	None Detected
2		A2609928	Black	Shingle	None Detected
3		A2609929	Black	Shingle	None Detected
4		A2609930	Black	Flashing	Chrysotile 10%
5		A2609931		Sample Not Analyzed per COC	
6		A2609932		Sample Not Analyzed per COC	
7		A2609933	Brown	Paper	None Detected
8		A2609934	Brown	Paper	None Detected
9		A2609935	Brown	Paper	None Detected
10		A2609936	Gray	Stucco	None Detected
11		A2609937	Gray	Stucco	None Detected
12	Layer 1	A2609938	Gray	Stucco	None Detected
	Layer 2	A2609938	Gray	Sealant	None Detected
13		A2609939	Off-white	Glazing	None Detected
14		A2609940	Off-white	Glazing	None Detected
15		A2609941	Off-white	Glazing	None Detected
16		A2609942	Gray	Caulking	None Detected
17		A2609943	Gray	Caulking	None Detected
18		A2609944	Gray	Caulking	None Detected
19		A2609945	Gray	Insulation	None Detected
20		A2609946	Gray	Insulation	None Detected
21		A2609947	Gray	Insulation	None Detected
22		A2609948	White	Mortar	None Detected
23		A2609949	White	Mortar	None Detected
24		A2609950	White	Mortar	None Detected
25		A2609951	Off-white	Texture	None Detected
26		A2609952	Off-white	Texture	None Detected
27		A2609953	Off-white	Texture	None Detected
28	Layer 1	A2609954	Off-white	Plaster Surface Coat	None Detected
	Layer 2	A2609954	Gray	Plaster Base Coat	None Detected
29	Layer 1	A2609955	Off-white	Plaster Surface Coat	None Detected

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Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Kenosha; 18-400-001.2721 **LAB CODE:** A18-1583

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
	Layer 2	A2609955	Gray	Plaster Base Coat	None Detected
30	Layer 1	A2609956	Off-white	Plaster Surface Coat	None Detected
	Layer 2	A2609956	Gray	Plaster Base Coat	None Detected
31	Layer 1	A2609957	Off-white	Plaster Surface Coat	None Detected
	Layer 2	A2609957	Gray	Plaster Base Coat	None Detected
32	Layer 1	A2609958	Off-white	Plaster Surface Coat	None Detected
	Layer 2	A2609958	Gray	Plaster Base Coat	None Detected
34		A2609959	Brown	Fiberboard	None Detected
35		A2609960	Brown	Fiberboard	None Detected
36		A2609961	Brown	Fiberboard	None Detected
37	Layer 1	A2609962	Red	Tile	None Detected
	Layer 2	A2609962	Gray	Grout	None Detected
38	Layer 1	A2609963	Red	Tile	None Detected
	Layer 2	A2609963	Gray	Grout	None Detected
39	Layer 1	A2609964	Red	Tile	None Detected
	Layer 2	A2609964	Gray	Grout	None Detected
40		A2609965A	Beige	Tile	None Detected
	Layer 1	A2609965B	Off-white	Mastic	None Detected
	Layer 2	A2609965B	Off-white	Grout	None Detected
41		A2609966A	Beige	Tile	None Detected
	Layer 1	A2609966B	Off-white	Mastic	None Detected
	Layer 2	A2609966B	Off-white	Grout	None Detected
		A2609966C	Gray	Drywall	None Detected
42		A2609967A	Beige	Tile	None Detected
	Layer 1	A2609967B	Off-white	Mastic	None Detected
	Layer 2	A2609967B	Off-white	Grout	None Detected
43		A2609968	Gray,Off-white	Drywall/Joint Compound	None Detected
44		A2609969	Gray,Off-white	Drywall/Joint Compound	None Detected
45		A2609970	Gray,Off-white	Drywall/Joint Compound	None Detected
46	Layer 1	A2609971	Gray	Linoleum	None Detected
	Layer 2	A2609971	Tan	Mastic	None Detected

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Kenosha; 18-400-001.2721 **LAB CODE:** A18-1583

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
47	Layer 1	A2609972	Gray	Linoleum	None Detected
	Layer 2	A2609972	Tan	Mastic	None Detected
48	Layer 1	A2609973	Gray	Linoleum	None Detected
	Layer 2	A2609973	Tan	Mastic	None Detected
49		A2609974	Brown	Linoleum	None Detected
50		A2609975	Brown	Linoleum	None Detected
51		A2609976	Brown	Linoleum	None Detected
52		A2609977	Gray	Fluepack	None Detected
53		A2609978	Gray	Fluepack	None Detected
54		A2609979	Gray	Fluepack	None Detected
55		A2609980	Gray	Insulation	Chrysotile 65%
56		A2609981		Sample Not Analyzed per COC	
57		A2609982		Sample Not Analyzed per COC	
58		A2609983A	Gray	Floor Tile	None Detected
		A2609983B	Tan	Mastic	None Detected
59		A2609984A	Gray	Floor Tile	None Detected
		A2609984B	Tan	Mastic	None Detected
60		A2609985A	Gray	Floor Tile	None Detected
		A2609985B	Tan	Mastic	None Detected
61		A2609986	Gray	Linoleum	None Detected
62		A2609987	Gray	Linoleum	None Detected
63		A2609988	Gray	Linoleum	None Detected
64	Layer 1	A2609989	Off-white	Plaster Surface Coat	None Detected
	Layer 2	A2609989	Gray	Plaster Base Coat	None Detected
65	Layer 1	A2609990	Off-white	Plaster Surface Coat	None Detected
	Layer 2	A2609990	Gray	Plaster Base Coat	None Detected
66	Layer 1	A2609991	Off-white	Plaster Surface Coat	None Detected
	Layer 2	A2609991	Gray	Plaster Base Coat	None Detected
67		A2609992	Gray	Mortar	None Detected
68		A2609993	Gray	Mortar	None Detected
69		A2609994`	Gray	Mortar	None Detected

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ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: KPH Environmental Corp
1237 W Bruce St
Milwaukee, WI 53204

Lab Code: A18-1583
Date Received: 01-30-18
Date Analyzed: 02-01-18
Date Reported: 02-02-18

Project: Kenosha; 18-400-001.2721

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
1 A2609927	Shingle	Heterogeneous Black Fibrous Bound	30%	Fiberglass	45% 25%	Tar Gravel	None Detected
2 A2609928	Shingle	Heterogeneous Black Fibrous Bound	30%	Fiberglass	45% 25%	Tar Gravel	None Detected
3 A2609929	Shingle	Heterogeneous Black Fibrous Bound	30%	Fiberglass	45% 25%	Tar Gravel	None Detected
4 A2609930	Flashing	Heterogeneous Black Fibrous Bound	30%	Cellulose	60%	Tar	**10% Chrysotile**
5 A2609931	Sample Not Analyzed per COC						
6 A2609932	Sample Not Analyzed per COC						
7 A2609933	Paper	Heterogeneous Brown Fibrous Bound	80%	Cellulose	20%	Tar	None Detected
8 A2609934	Paper	Heterogeneous Brown Fibrous Bound	80%	Cellulose	20%	Tar	None Detected

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ASBESTOS BULK ANALYSIS

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
9 A2609935	Paper	Heterogeneous Brown Fibrous Bound	80%	Cellulose	20%	Tar	None Detected
10 A2609936	Stucco	Heterogeneous Gray Non-fibrous Bound			85% 15%	Silicates Binder	None Detected
11 A2609937	Stucco	Heterogeneous Gray Non-fibrous Bound			85% 15%	Silicates Binder	None Detected
12 Layer 1 A2609938	Stucco	Heterogeneous Gray Non-fibrous Bound			85% 15%	Silicates Binder	None Detected
Layer 2 A2609938	Sealant	Heterogeneous Gray Non-fibrous Bound			85% 15%	Binder Silicates	None Detected
13 A2609939	Glazing	Heterogeneous Off-white Non-fibrous Bound			90% 10%	Binder Paint	None Detected
14 A2609940	Glazing	Heterogeneous Off-white Non-fibrous Bound			90% 10%	Binder Paint	None Detected

ASBESTOS BULK ANALYSIS

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous	NON-ASBESTOS COMPONENTS Non-Fibrous	ASBESTOS %
15 A2609941	Glazing	Heterogeneous Off-white Non-fibrous Bound		90% Binder 10% Paint	None Detected
16 A2609942	Caulking	Heterogeneous Gray Non-fibrous Bound		100% Caulk	None Detected
17 A2609943	Caulking	Heterogeneous Gray Non-fibrous Bound		100% Caulk	None Detected
18 A2609944	Caulking	Heterogeneous Gray Non-fibrous Bound		100% Caulk	None Detected
19 A2609945	Insulation	Heterogeneous Gray Fibrous Loosely Bound	100% Cellulose		None Detected
20 A2609946	Insulation	Heterogeneous Gray Fibrous Loosely Bound	100% Cellulose		None Detected
21 A2609947	Insulation	Heterogeneous Gray Fibrous Loosely Bound	100% Cellulose		None Detected

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous	Non-Fibrous		ASBESTOS %
22 A2609948	Mortar	Heterogeneous White Non-fibrous Bound		85% 15%	Silicates Binder	None Detected
23 A2609949	Mortar	Heterogeneous White Non-fibrous Bound		85% 15%	Silicates Binder	None Detected
24 A2609950	Mortar	Heterogeneous White Non-fibrous Bound		85% 15%	Silicates Binder	None Detected
25 A2609951	Texture	Heterogeneous Off-white Non-fibrous Bound		10% 15% 75%	Silicates Calc Carb Paint	None Detected
26 A2609952	Texture	Heterogeneous Off-white Non-fibrous Bound		10% 15% 75%	Silicates Calc Carb Paint	None Detected
27 A2609953	Texture	Heterogeneous Off-white Non-fibrous Bound		10% 15% 75%	Silicates Calc Carb Paint	None Detected
28 Layer 1 A2609954	Plaster Surface Coat	Heterogeneous Off-white Non-fibrous Bound		10% 15% 75%	Silicates Calc Carb Paint	None Detected

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
Layer 2 A2609954	Plaster Base Coat	Heterogeneous Gray Fibrous Bound	2% 3%	Cellulose Hair	85% 10%	Silicates Binder	None Detected
29 Layer 1 A2609955	Plaster Surface Coat	Heterogeneous Off-white Non-fibrous Bound			10% 15% 75%	Silicates Calc Carb Paint	None Detected
Layer 2 A2609955	Plaster Base Coat	Heterogeneous Gray Fibrous Bound	2% 3%	Cellulose Hair	85% 10%	Silicates Binder	None Detected
30 Layer 1 A2609956	Plaster Surface Coat	Heterogeneous Off-white Non-fibrous Bound			10% 15% 75%	Silicates Calc Carb Paint	None Detected
Layer 2 A2609956	Plaster Base Coat	Heterogeneous Gray Fibrous Bound	2% 3%	Cellulose Hair	85% 10%	Silicates Binder	None Detected
31 Layer 1 A2609957	Plaster Surface Coat	Heterogeneous Off-white Non-fibrous Bound			10% 15% 75%	Silicates Calc Carb Paint	None Detected
Layer 2 A2609957	Plaster Base Coat	Heterogeneous Gray Fibrous Bound	2% 3%	Cellulose Hair	85% 10%	Silicates Binder	None Detected

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
32 Layer 1 A2609958	Plaster Surface Coat	Heterogeneous Off-white Non-fibrous Bound			10% 15% 75%	Silicates Calc Carb Paint	None Detected
Layer 2 A2609958	Plaster Base Coat	Heterogeneous Gray Fibrous Bound	2% 3%	Cellulose Hair	85% 10%	Silicates Binder	None Detected
34 A2609959	Fiberboard	Heterogeneous Brown Fibrous Bound	100%	Cellulose			None Detected
35 A2609960	Fiberboard	Heterogeneous Brown Fibrous Bound	100%	Cellulose			None Detected
36 A2609961	Fiberboard	Heterogeneous Brown Fibrous Bound	95%	Cellulose	5%	Paint	None Detected
37 Layer 1 A2609962	Tile	Heterogeneous Red Non-fibrous Tightly Bound			85% 15%	Silicates Binder	None Detected
Layer 2 A2609962	Grout	Heterogeneous Gray Fibrous Tightly Bound	<1%	Fiberglass	85% 10% 5%	Silicates Binder Foam	None Detected

ASBESTOS BULK ANALYSIS

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
38	Tile	Heterogeneous			85%	Silicates	None Detected
Layer 1		Red			15%	Binder	
A2609963		Non-fibrous					
		Tightly Bound					
Layer 2	Grout	Heterogeneous	<1%	Fiberglass	85%	Silicates	None Detected
A2609963		Gray			10%	Binder	
		Fibrous			5%	Foam	
		Tightly Bound					
39	Tile	Heterogeneous			85%	Silicates	None Detected
Layer 1		Red			15%	Binder	
A2609964		Non-fibrous					
		Tightly Bound					
Layer 2	Grout	Heterogeneous	<1%	Fiberglass	85%	Silicates	None Detected
A2609964		Gray			10%	Binder	
		Fibrous			5%	Foam	
		Tightly Bound					
40	Tile	Heterogeneous			85%	Silicates	None Detected
A2609965A		Beige			15%	Binder	
		Non-fibrous					
		Tightly Bound					
Layer 1	Mastic	Homogeneous			100%	Mastic	None Detected
A2609965B		Off-white					
		Non-fibrous					
		Bound					
Layer 2	Grout	Heterogeneous			85%	Silicates	None Detected
A2609965B		Off-white			15%	Binder	
		Non-fibrous					
		Bound					

ASBESTOS BULK ANALYSIS

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
41 A2609966A	Tile	Heterogeneous Beige Non-fibrous Tightly Bound			85% 15%	Silicates Binder	None Detected
Layer 1 A2609966B	Mastic	Homogeneous Off-white Non-fibrous Bound			100%	Mastic	None Detected
Layer 2 A2609966B	Grout	Heterogeneous Off-white Non-fibrous Bound			85% 15%	Silicates Binder	None Detected
A2609966C	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected
42 A2609967A	Tile	Heterogeneous Beige Non-fibrous Tightly Bound			85% 15%	Silicates Binder	None Detected
Layer 1 A2609967B	Mastic	Homogeneous Off-white Non-fibrous Bound			100%	Mastic	None Detected
Layer 2 A2609967B	Grout	Heterogeneous Off-white Non-fibrous Bound			85% 15%	Silicates Binder	None Detected

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
43 A2609968	Drywall/Joint Compound	Heterogeneous Gray,Off-white Fibrous Bound	10%	Cellulose	75% 10% 5%	Gypsum Calc Carb Paint	None Detected
44 A2609969	Drywall/Joint Compound	Heterogeneous Gray,Off-white Fibrous Bound	10%	Cellulose	75% 10% 5%	Gypsum Calc Carb Paint	None Detected
45 A2609970	Drywall/Joint Compound	Heterogeneous Gray,Off-white Fibrous Bound	10%	Cellulose	75% 10% 5%	Gypsum Calc Carb Paint	None Detected
46 Layer 1 A2609971	Linoleum	Heterogeneous Gray Fibrous Bound	10%	Cellulose	80% 10%	Vinyl Binder	None Detected
Layer 2 A2609971	Mastic	Homogeneous Tan Fibrous Bound	5%	Cellulose	95%	Mastic	None Detected
47 Layer 1 A2609972	Linoleum	Heterogeneous Gray Fibrous Bound	10%	Cellulose	80% 10%	Vinyl Binder	None Detected
Layer 2 A2609972	Mastic	Homogeneous Tan Fibrous Bound	5%	Cellulose	95%	Mastic	None Detected

ASBESTOS BULK ANALYSIS

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
48 Layer 1 A2609973	Linoleum	Heterogeneous Gray Fibrous Bound	10%	Cellulose	80% 10%	Vinyl Binder	None Detected
Layer 2 A2609973	Mastic	Homogeneous Tan Fibrous Bound	5%	Cellulose	95%	Mastic	None Detected
49 A2609974	Linoleum	Heterogeneous Brown Fibrous Bound	45%	Cellulose	40% 15%	Vinyl Tar	None Detected
50 A2609975	Linoleum	Heterogeneous Brown Fibrous Bound	45%	Cellulose	40% 15%	Vinyl Tar	None Detected
51 A2609976	Linoleum	Heterogeneous Brown Fibrous Bound	45%	Cellulose	40% 15%	Vinyl Tar	None Detected
52 A2609977	Fluepack	Heterogeneous Gray Non-fibrous Bound			85% 5% 10%	Silicates Binder Calc Carb	None Detected
53 A2609978	Fluepack	Heterogeneous Gray Non-fibrous Bound			85% 5% 10%	Silicates Binder Calc Carb	None Detected

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		NON-ASBESTOS COMPONENTS Non-Fibrous		ASBESTOS %
54 A2609979	Fluepack	Heterogeneous Gray Non-fibrous Bound			85% 5% 10%	Silicates Binder Calc Carb	None Detected
55 A2609980	Insulation	Heterogeneous Gray Fibrous Bound	35%	Cellulose			**65% Chrysotile**
56 A2609981	Sample Not Analyzed per COC						
57 A2609982	Sample Not Analyzed per COC						
58 A2609983A	Floor Tile	Heterogeneous Gray Non-fibrous Tightly Bound			100%	Vinyl	None Detected
A2609983B	Mastic	Homogeneous Tan Non-fibrous Bound			100%	Mastic	None Detected
59 A2609984A	Floor Tile	Heterogeneous Gray Non-fibrous Tightly Bound			100%	Vinyl	None Detected
A2609984B	Mastic	Homogeneous Tan Non-fibrous Bound			100%	Mastic	None Detected

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
60 A2609985A	Floor Tile	Heterogeneous Gray Non-fibrous Tightly Bound			100%	Vinyl	None Detected
A2609985B	Mastic	Homogeneous Tan Non-fibrous Bound			100%	Mastic	None Detected
61 A2609986	Linoleum	Heterogeneous Gray Fibrous Bound	35%	Cellulose	50% 15%	Vinyl Tar	None Detected
62 A2609987	Linoleum	Heterogeneous Gray Fibrous Bound	35%	Cellulose	50% 15%	Vinyl Tar	None Detected
63 A2609988	Linoleum	Heterogeneous Gray Fibrous Bound	35%	Cellulose	50% 15%	Vinyl Tar	None Detected
64 Layer 1 A2609989	Plaster Surface Coat	Heterogeneous Off-white Non-fibrous Bound			75% 20% 5%	Calc Carb Silicates Paint	None Detected
Layer 2 A2609989	Plaster Base Coat	Heterogeneous Gray Fibrous Bound	2%	Hair	85% 13%	Binder Silicates	None Detected

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
65 Layer 1 A2609990	Plaster Surface Coat	Heterogeneous Off-white Non-fibrous Bound			75% 20% 5%	Calc Carb Silicates Paint	None Detected
Layer 2 A2609990	Plaster Base Coat	Heterogeneous Gray Fibrous Bound	2%	Hair	85% 13%	Binder Silicates	None Detected
66 Layer 1 A2609991	Plaster Surface Coat	Heterogeneous Off-white Non-fibrous Bound			75% 20% 5%	Calc Carb Silicates Paint	None Detected
Layer 2 A2609991	Plaster Base Coat	Heterogeneous Gray Fibrous Bound	2%	Hair	85% 13%	Binder Silicates	None Detected
67 A2609992	Mortar	Heterogeneous Gray Non-fibrous Bound			15% 85%	Binder Silicates	None Detected
68 A2609993	Mortar	Heterogeneous Gray Non-fibrous Bound			15% 85%	Binder Silicates	None Detected
69 A2609994`	Mortar	Heterogeneous Gray Non-fibrous Bound			15% 85%	Binder Silicates	None Detected

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LEGEND:

Non-Anth	= Non-Asbestiform Anthophyllite
Non-Trem	= Non-Asbestiform Tremolite
Calc Carb	= Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: <1% by visual estimation

REPORTING LIMIT FOR POINT COUNTS: 0.25% by 400 Points or 0.1% by 1,000 Points

REGULATORY LIMIT: >1% by weight

Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. Estimated measurement of uncertainty is available on request.

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ANALYST: Yvette Nkunde-Bose

APPROVED BY: Tianbao Bai, Ph.D., CIH
Laboratory Director

NVLAP® TESTING
NVLAP LAB CODE 101768-0

ASBESTOS CHAIN OF CUSTODY

(68) A18-1583 A2609927 9994

730 SE Maynard Road, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

LAB USE ONLY:
CEI Lab Code:
CEI Lab I.D. Range:

COMPANY INFORMATION		PROJECT INFORMATION	
CEI CLIENT #:		Job Contact:	Dean Jacobsen
Company:	KPH Environmental Corp.	Email / Tel:	414-647-1530
Address:	1237 West Bruce Street	Project Name:	Kenosha
	Milwaukee, WI 53204	Project ID#:	18-400-001.2721
Email:	dean.jacobsen@kphenvironmental.com	PO #:	
Tel:	(414) 647-1530 Fax: (414) 647-1540	STATE SAMPLES COLLECTED IN:	WI

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	☐	☐	☐	☐	☒	☐
PLM POINT COUNT (400)	EPA 600	☐	☐	☐	☐	☐	☐
PLM POINT COUNT (1000)	EPA 600	☐	☐	☐	☐	☐	☐
PLM GRAV w POINT COUNT	EPA 600		☐	☐	☐	☐	☐
PLM BULK	CARB 435		☐	☐	☐	☐	☐
PCM AIR	NIOSH 7400	☐	☐	☐	☐	☐	☐
TEM AIR	EPA AHERA	☐	☐	☐	☐	☐	☐
TEM AIR	NIOSH 7402	☐	☐	☐	☐	☐	☐
TEM AIR	ISO 10312	☐	☐	☐	☐	☐	☐
TEM AIR	ASTM 6281-09	☐	☐	☐	☐	☐	☐
TEM BULK	CHATFIELD		☐	☐	☐	☐	☐
TEM DUST WIPE	ASTM D6480-05	☐	☐	☐	☐	☐	☐
TEM DUST MICROVAC	ASTM D5755-09	☐	☐	☐	☐	☐	☐
TEM SOIL	ASTM D7521-13			☐	☐	☐	☐
TEM VERMICULITE	CINCINNATI METHOD			☐	☐	☐	☐
OTHER:		☐	☐	☐	☐	☐	☐

REMARKS / SPECIAL INSTRUCTIONS:

Test until >1% for each homogeneous material

☑ Accept Samples

☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
Dean Jacobsen	1/29/18 1700	AD	9:10 / 1-30-18

Samples will be disposed of 30 days after analysis

Page 1 *of* 4

AS.1583

ASBESTOS SAMPLING FORM

CEI LABS

COMPANY CONTACT INFORMATION	
Company: KPH Environmental Corp.	Job Contact: Dean Jacobsen
Project Name: Kenosha	
Project ID #: 18-400-001.	Tel: (414) 647-1530

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
1	Shingle		PLM ☒	TEM ☐
2	↓		PLM ☐	TEM ☐
3	↓		PLM ☐	TEM ☐
4	Flashing		PLM ☐	TEM ☐
5	↓		PLM ☐	TEM ☐
6	↓		PLM ☐	TEM ☐
7	Paper		PLM ☐	TEM ☐
8	↓		PLM ☐	TEM ☐
9	↓		PLM ☐	TEM ☐
10	Stucco		PLM ☐	TEM ☐
11	↓		PLM ☐	TEM ☐
12	↓		PLM ☐	TEM ☐
13	Glazing		PLM ☐	TEM ☐
14	↓		PLM ☐	TEM ☐
15	↓		PLM ☐	TEM ☐
16	Caulk		PLM ☐	TEM ☐
17	↓		PLM ☐	TEM ☐
18	↓		PLM ☐	TEM ☐
19	Insulation		PLM ☐	TEM ☐
20	↓		PLM ☐	TEM ☐
21	↓		PLM ☐	TEM ☐
22	Mortar		PLM ☐	TEM ☐
23	↓		PLM ☐	TEM ☐
24	↓		PLM ☐	TEM ☐
25	Texture		PLM ☐	TEM ☐
26	↓		PLM ☐	TEM ☐
27	↓		PLM ☐	TEM ☐
28	Plaster		PLM ☐	TEM ☐

18-1583

ASBESTOS SAMPLING FORM

CEI LABS

COMPANY CONTACT INFORMATION	
Company: KPH Environmental Corp.	Job Contact: Dean Jacobsen
Project Name: Kenosha	
Project ID #: 18-400-001.	Tel: (414) 647-1530

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
29	Plaster		PLM ☒	TEM ☐
30	↓		PLM ☐	TEM ☐
31	↓		PLM ☐	TEM ☐
32	↓		PLM ☐	TEM ☐
34	Fiberboard		PLM ☐	TEM ☐
35	↓		PLM ☐	TEM ☐
36	↓		PLM ☐	TEM ☐
37	Tile		PLM ☐	TEM ☐
38	↓		PLM ☐	TEM ☐
39	↓		PLM ☐	TEM ☐
40	Tile		PLM ☐	TEM ☐
41	↓		PLM ☐	TEM ☐
42	↓		PLM ☐	TEM ☐
43	Drywall		PLM ☐	TEM ☐
44	↓		PLM ☐	TEM ☐
45	↓		PLM ☐	TEM ☐
46	Linoleum		PLM ☐	TEM ☐
47	↓		PLM ☐	TEM ☐
48	↓		PLM ☐	TEM ☐
49	Linoleum		PLM ☐	TEM ☐
50	↓		PLM ☐	TEM ☐
51	↓		PLM ☐	TEM ☐
52	Flue Pack		PLM ☐	TEM ☐
53	↓		PLM ☐	TEM ☐
54	↓		PLM ☐	TEM ☐
55	Insulation		PLM ☐	TEM ☐
56	↓		PLM ☐	TEM ☐
57	↓		PLM ☐	TEM ☐

AS-1583

ASBESTOS SAMPLING FORM

CEI LABS

COMPANY CONTACT INFORMATION	
Company: KPH Environmental Corp.	Job Contact: Dean Jacobsen
Project Name: Kenosha	
Project ID #: 18-400-001.	Tel: (414) 647-1530

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
58	Tile		PLM ☒	TEM ☐
59	↓		PLM ☐	TEM ☐
60	↓		PLM ☐	TEM ☐
61	Linoleum		PLM ☐	TEM ☐
62	↓		PLM ☐	TEM ☐
63	↓		PLM ☐	TEM ☐
64	Plaster		PLM ☐	TEM ☐
65	↓		PLM ☐	TEM ☐
66	↓		PLM ☐	TEM ☐
67	Mortar		PLM ☐	TEM ☐
68	↓		PLM ☐	TEM ☐
69	↓		PLM ☑	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
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			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐

B. PAINT LABORATORY RESULTS

eurofins | CEI
Eurofins CEI
730 SE Maynard Road, Cary, NC 27511
Phone: (919) 481-1413 Fax: (919) 481-1442

LABORATORY REPORT
LEAD IN PAINT

Client: **KPH Environmental Corp**
1237 W Bruce St
Milwaukee, WI 53204

Lab Code: C18-0078
Received: 02-01-18
Analyzed: 02-02-18
Reported: 02-02-18

Project: Kenosha; 18-400-001.2721

ANALYSIS METHOD: EPA SW846 7000B

CLIENT ID	LAB ID	PPM (µg/g)	CONCENTRATION % BY WEIGHT
P01	CA63321	69	**0.0069**
P02	CA63322	190	**0.019**

Reviewed By:

Tianbao Bai, Ph.D.
Laboratory Director

This method has been validated for sample weights of 0.020g or greater. When samples with a weight of less than that are analyzed those results fall outside of the scope of accreditations.
*** The analysis of composite wipe samples as a single samples is not included under AIHA accreditation.**

Minimum reporting limit is 10 µg total lead. Sample results denoted with a “less than” (<) sign contain less than 10.0 µg total lead, based on a 40ml sample volume.

Lead samples are not analyzed by Eurofins CEI Lead samples are submitted to an AIHA ELLAP accredited laboratory for lead analysis of soil, dust, paint, and TCLP samples.
Laboratory results represent the analysis of samples as submitted by the client. Information regarding sample location, description, area, volume, etc., was provided by the client. Unless notified in writing to return samples, Eurofins CEI discards client samples after 30 days. This report shall not be reproduced, except in full, without the written consent of Eurofins CEI.

REGULATORY LIMITS
OSHA Standard: No safe limit.
Consumer Products Safety Standard: Greater than 0.06% lead by weight.
Federal Lead Standard / HUD: 0.5% lead by weight.

LEGEND
µg = microgram
ml = milliliter
ppm = parts per million
Pb = lead
g = grams
wt = weight

End of Report

METALS
CHAIN OF CUSTODY

730 SE Maynard Road, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

LAB USE ONLY:	
CEI Lab Code:	C18-0078 (2)
CEI Lab I.D. Range:	CA63321-CA63327

COMPANY INFORMATION		PROJECT INFORMATION	
CEI CLIENT #:		Job Contact:	Dean Jacobsen
Company:	KPH Environmental Corp.	Email / Tel:	414-647-1530
Address:	1237 W. Bruce St.	Project Name:	Kenosha
	Milwaukee, WI 53204	Project ID#	18-400-001.2721
Email:	dean.jacobsen@kphenvironmental.com	PO #:	
Tel: 414-647-1530	Fax: 414-647-1540	STATE SAMPLES COLLECTED IN:	WI

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR**	8 HR**	24 HR**	2 DAY	3 DAY	5 DAY
LEAD PAINT	EPA SW846 7000B				☐	☒	☐
LEAD WIPE	EPA SW846 7000B				☐	☐	☐
LEAD SOIL	EPA SW846 7000B				☐	☐	☐
LEAD AIR	NIOSH 7082				☐	☐	☐
LEAD TCLP	EPA SW846 7000B				☐	☐	☐
RCRA 8 METALS	EPA SW846 7000B				☐	☐	☐
RCRA 8 TCLP	EPA SW846 7000B				☐	☐	☐
OTHER:					☐	☐	☐

TAT IS NOT AVAILABLE. LEAD SAMPLES ARE SUBCONTRACTED FOR ANALYSIS TO AN ELLAP ACCREDITED LAB.

REMARKS:	☑ Accept Samples ☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
Dean Jacobsen	1/29/18 1720	AD	9:10 / 01-30-18

Samples will be disposed of 30 days after analysis

C18-0078

METALS SAMPLING FORM

CEI LABS

COMPANY CONTACT INFORMATION			
Company:	KPH Environmental Corp.	Job Contact:	Dean Jacobsen
Project Name:	Kenosha		
Project ID #:	18-400-001.	Tel:	414-647-1530

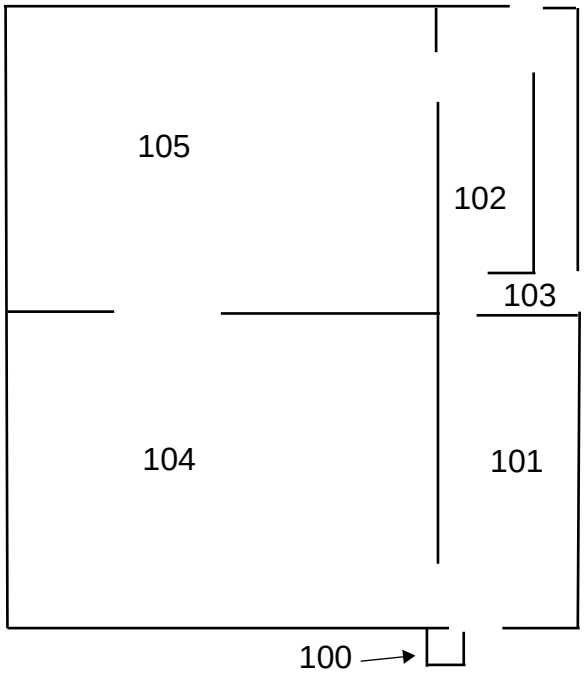
SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/AREA	COMMENTS
P01	Wall		
P02	Floor		

C. FLOOR PLAN

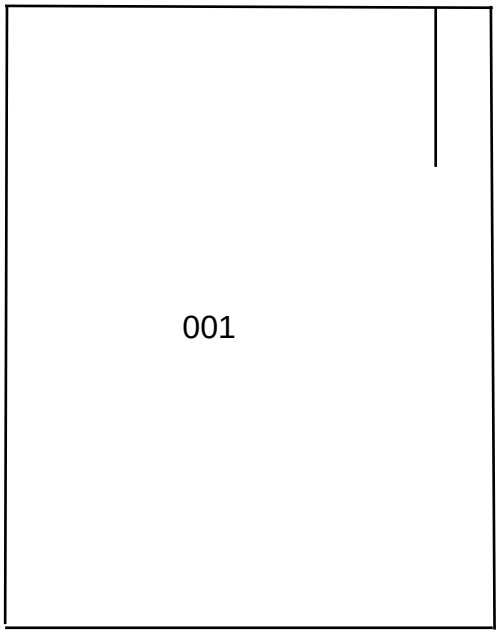
Single Family Residence
2721 63rd Street
Kenosha, Wisconsin

N

1st Floor



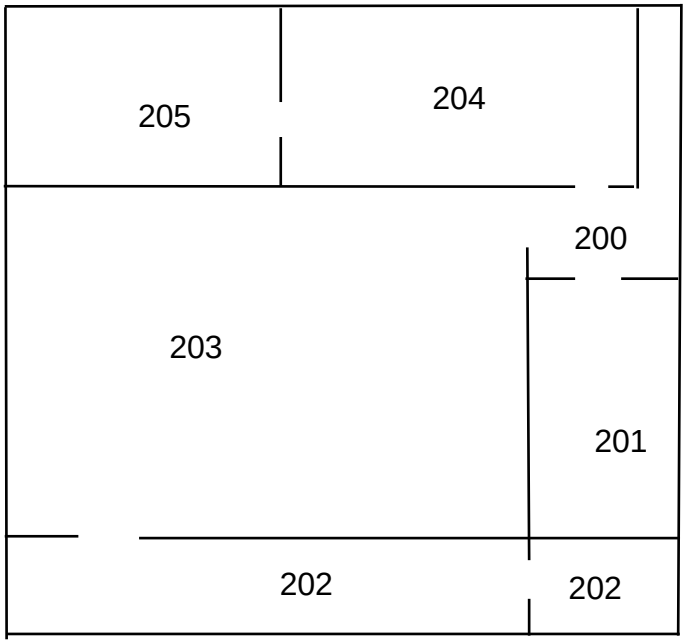
Basement



Single Family Residence
2721 63rd Street
Kenosha, Wisconsin

2nd Floor

N



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: 06/06/2016
Expiration Date: 09/10/2018, 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

Shelley A Bruce

Shelley A Bruce,
Unit Supervisor

Scott Walker
Governor

Linda Seemeyer
Secretary

April 10, 2017

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

DAMIAN SCOTT ROGOWSKI
1237 W BRUCE ST
MILWAUKEE WI 53204-1218

ID# AII-161300

Congratulations! Your new Wisconsin certification card is enclosed. 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, by using our Lead and Asbestos Online Certification website, 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.
   - 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.
   - Lead-certified individuals can refresh up to **1 year** before the due date.
     Find lead training providers at 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 or 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 y
professional responsibility. Contact us if you have an
below and on the back of your blue card.

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

COPY

City of Kenosha

General Location Map

48TH ST

39TH AVE

37TH AVE

36TH AVE

50TH ST

Subject Property: 4811 37th Avenue
PIN: 09-222-36-231-002

0 150
Feet

DCDI ~ Community Development Division ~ JBL ~ ZK ~ November 16, 2017 ~ mc

Information To Build On
Engineering • Consulting • Testing

October 16, 2017

Mr. Mark Willing
Purchasing Manager
City of Kenosha- Department of Finance
Municipal Building- Room 208
625 52nd Street
Kenosha, Wisconsin 53140

Re: NESHAP Asbestos Survey
Multi-Family Residence
4811 37th Avenue
Kenosha, Wisconsin
PSI Project No. 00541479

Dear Mr. Willing:

In accordance with our agreement dated May 15, 2012, Professional Service Industries, Inc. (PSI), has performed an Asbestos Survey of the above-referenced property to identify all Asbestos-Containing Materials (ACM) including Category I and Category II non-friable ACM. Below, please find a discussion of our survey and results.

Facility Description

The facility included in this National Emissions Standard for Hazardous Air Pollutants (NESHAPs) Asbestos Survey was a two-story residential structure with basement and attic. At the time of PSI's survey, the building was vacant.

Survey Intent

This asbestos survey was intended to meet the requirements of the NESHAP for Asbestos demolition or renovation. The survey included a thorough inspection of all areas of demolition or renovation. PSI's inspection team identified, quantified and assessed the condition of all Regulated Asbestos Containing Material (RACM), Category I non-friable ACM and Category II non-friable ACM. A hand pressure test was used to determine whether the material was friable.

Representative samples were collected and submitted to an accredited laboratory for analysis by Polarized Light Microscopy. Reports of Analysis are attached along with Chain of Custody documentation, Bulk Sample Logs, Site Layout Diagrams, and Inspector and Laboratory Certifications.

Findings

Asbestos-containing materials were discovered during this asbestos survey. Assumed asbestos-containing materials were identified and included electrical boxes. The table below details the findings of this survey.

Table 1-Asbestos Containing Materials

Material Description	Locations in Facility	Total Quantity	RACM, Cat. I or Cat. II	Friable (Y/N)	Condition
Window Pane Glazing	*Room 01*	*7 SF (7 Windows)*	*Cat. I*	*N*	*Good*
Orange/Brown/Tan Linoleum	*Room 202 (Bottom Layer)*	*150 SF*	*RACM*	*Y*	*Good*
Exterior Window Caulk – Beige	*Exterior*	*41 SF (41 Windows)*	*Cat. I*	*N*	*Good*
Exterior Window Pane Glazing – Beige	*Exterior*	*7 SF (7 Windows)*	*Cat. I*	*N*	*Good*
Pipe Caulk – Black	*Exterior (East Wall)*	*1 SF*	*Cat. I*	*N*	*Good*
Roof Flashing (Assumed, Inaccessible)	*Roof*	*8 SF*	*Cat 1*	*N*	*Good*
Electrical Boxes (Assumed Transite Components)	*Room 01*	*5 Boxes*	*RACM*	*N*	*Good*

SF=Square Feet
EA=Each

Sample 25 (flooring underlayment paper) was contaminated with window pane glazing (see samples 16-18). The flooring underlayment paper is non-ACM.

Warranty

The information contained in this report is based upon the data furnished by the Client and observations and test results provided by PSI. These observations and results are time dependent, are subject to changing site conditions, and revisions to Federal, State and local regulations.

PSI warrants that these findings have been promulgated after being prepared in general accordance with generally accepted practices in the asbestos industry. PSI also recognizes that raw laboratory test data are not usually sufficient to make all abatement and management decisions.

As directed by the client, PSI did not provide any service to investigate or detect the presence of moisture, mold or other biological contaminates in or around any structure, or any service that was designed or intended to prevent or lower the risk of the occurrence of the amplification of the same. Client acknowledges that mold is ubiquitous to the environment with mold amplification occurring when building materials are impacted by moisture. Client further acknowledges that site conditions are outside of PSI's control, and that mold amplification will likely occur, or continue to occur, in the presence of moisture. As such, PSI cannot and shall not be held responsible for the occurrence or recurrence of mold amplification.

This report was prepared pursuant to the contract PSI has with the City of Kenosha. That contractual relationship included an exchange of information about the subject site that was unique and between PSI and its client and serves as the basis upon which this report was prepared. Because of the importance of the communication between PSI and its client, reliance or any use of this report by anyone other than the City of Kenosha, for whom it was prepared, is prohibited and therefore not foreseeable to PSI.

Reliance or use by any such third party without explicit authorization in the report does not make said third party a third-party beneficiary to PSI's contract with the City of Kenosha. Any such unauthorized reliance on or use of this report, including any of its information or conclusions, will be at third party's risk. For the same reasons, no warranties or representations, expressed or implied in this report, are made to any such third party.

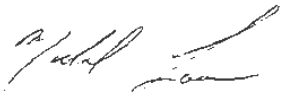
No other warranties are implied or expressed.

Unidentifiable Conditions

This report is necessarily limited to the conditions observed and to the information available at the time of the work. Due to the nature of the work, there is a possibility that there may exist conditions which could not be identified within the scope of work or which were not apparent at the time of our site work. This report is also limited to information available from the client at the time it was conducted. The report may not represent all conditions at the subject site as it only reflects the information gathered from specific locations.

Thank you for choosing PSI as your consultant for this project. If you have any questions, or if we can be of additional service, please call us at 262.521.2125.

Respectfully submitted,
PROFESSIONAL SERVICE INDUSTRIES, INC.



Mike Larsen
WI Asbestos Inspector #AII-13850

Michael Tjaden
Principal Consultant

Appendices

A. Report of Bulk Sample Analysis for Asbestos/Chain of Custody
B. Asbestos Bulk Sample Log
C. Site Layout Drawings
D. Inspector & Company Certifications

September 12, 2017

PSI
821 Corporate Ct.
Waukesha, WI 53189

CLIENT PROJECT: 4811 37th Ave; 00541479
CEI LAB CODE: A17-12867

Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on September 11, 2017. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,

Tianbao Bai, Ph.D., CIH
Laboratory Director

NVLAP TESTING
NVLAP LAB CODE 101768-0

ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

PSI

CLIENT PROJECT: 4811 37th Ave; 00541479

CEI LAB CODE: A17-12867

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 09/12/17

TOTAL SAMPLES ANALYZED: 138

SAMPLES >1% ASBESTOS: 16

TEL: 866-481-1412

www.ceilabs.com

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 4811 37th Ave; 00541479 **CEI LAB CODE:** A17-12867

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
1		A2492572	Cream/White	Mdwc	None Detected
2		A2492573	Cream/White	Mdwc	None Detected
3		A2492574	Cream/White	Mdwc	None Detected
4		A2492575	Gray	Mfp	None Detected
5		A2492576	Gray	Mfp	None Detected
6		A2492577	Gray	Mfp	None Detected
7		A2492578	Light Gray	Mcb	None Detected
8		A2492579	Light Gray	Mcb	None Detected
9		A2492580	Light Gray	Mcb	None Detected
10		A2492581	Light Gray	Mcbm	None Detected
11		A2492582	Light Gray	Mcbm	None Detected
12		A2492583	Light Gray	Mcbm	None Detected
13		A2492584	Brown/Black	Mfbi	None Detected
14		A2492585	Brown/Black	Mfbi	None Detected
15		A2492586	Brown/Black	Mfbi	None Detected
16		A2492587	Cream	Mpg	Chrysotile 2%
17		A2492588	Cream	Mpg	Chrysotile 2%
18		A2492589	Cream	Mpg	Chrysotile 2%
19		A2492590	Beige	Mfl E	None Detected
20		A2492591	Beige	Mfl E	None Detected
21		A2492592	Beige	Mfl E	None Detected
22		A2492593	Brown	Mfl N	None Detected
23		A2492594	Brown	Mfl N	None Detected
24		A2492595	Brown	Mfl N	None Detected
25	Layer 1	A2492596	Black	Mfu P	None Detected
	Layer 2	A2492596	Cream	Mfu P (Mud)	Chrysotile 2%
26		A2492597	Black	Mfu P	None Detected
27		A2492598	Black	Mfu P	None Detected
28		A2492599	Black	Mvc	None Detected
29		A2492600	Black	Mvc	None Detected
30		A2492601	Black	Mvc	None Detected

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 4811 37th Ave; 00541479 **CEI LAB CODE:** A17-12867

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
31		A2492602	White/Black	Mwc	None Detected
32		A2492603	White/Black	Mwc	None Detected
33		A2492604	White/Black	Mwc	None Detected
34		A2492605	White	Mfl W	None Detected
35		A2492606	White	Mfl W	None Detected
36		A2492607	White	Mfl W	None Detected
37		A2492608	Cream	Mct Fm	None Detected
38		A2492609	Cream	Mct Fm	None Detected
39		A2492610	Cream	Mct Fm	None Detected
40		A2492611	Beige	Mct Fg	None Detected
41		A2492612	Beige	Mct Fg	None Detected
42		A2492613	Beige	Mct Fg	None Detected
43		A2492614	White	Msl W	None Detected
44		A2492615	White	Msl W	None Detected
45		A2492616	White	Msl W	None Detected
46		A2492617A	Tan	Mf12 T	None Detected
		A2492617B	Clear	Mf12 T	None Detected
47		A2492618A	Tan	Mf12 T	None Detected
		A2492618B	Clear	Mf12 T	None Detected
48		A2492619A	Tan	Mf12 T	None Detected
		A2492619B	Clear	Mf12 T	None Detected
49		A2492620A	White/Brown	Mf12 Wn	None Detected
		A2492620B	Clear	Mf12 Wn	None Detected
50		A2492621A	White/Brown	Mf12 Wn	None Detected
		A2492621B	Clear	Mf12 Wn	None Detected
51		A2492622A	White/Brown	Mf12 Wn	None Detected
		A2492622B	Clear	Mf12 Wn	None Detected
52		A2492623	Beige	Mtsm	None Detected
53		A2492624	Beige	Mtsm	None Detected
54		A2492625	Beige	Mtsm	None Detected
55		A2492626	Yellow/Green	Mfl Lg	None Detected

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 4811 37th Ave; 00541479 **CEI LAB CODE:** A17-12867

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
56		A2492627	Yellow/Green	Mfl Lg	None Detected
57		A2492628	Yellow/Green	Mfl Lg	None Detected
58		A2492629	White	Mdc W	None Detected
59		A2492630	White	Mdc W	None Detected
60		A2492631	White	Mdc W	None Detected
61		A2492632	Yellow	Mfl L	None Detected
62		A2492633	Yellow	Mfl L	None Detected
63		A2492634	Yellow	Mfl L	None Detected
64		A2492635	Tan	Mfl T	None Detected
65		A2492636	Tan	Mfl T	None Detected
66		A2492637	Tan	Mfl T	None Detected
67		A2492638	Cream/Brown	Mfl Cn	None Detected
68		A2492639	Cream/Brown	Mfl Cn	None Detected
69		A2492640	Cream/Brown	Mfl Cn	None Detected
70		A2492641	Yellow/Brown	Mfl Ln	None Detected
71		A2492642	Yellow/Brown	Mfl Ln	None Detected
72		A2492643	Yellow/Brown	Mfl Ln	None Detected
73		A2492644A	Orange/Brown, Tan	Mfl Ont	Chrysotile 25%
		A2492644B	Cream , Multicolor Spotted	Mfl	None Detected
74		A2492645A	Orange/Brown, Tan	Mfl Ont	Chrysotile 25%
		A2492645B	Cream , Multicolor Spotted	Mfl	None Detected
75		A2492646A	Orange/Brown, Tan	Mfl Ont	Chrysotile 25%
		A2492646B	Cream , Multicolor Spotted	Mfl	None Detected
76		A2492647	Gray	Mwce 2	Chrysotile 2%
77		A2492648	Gray	Mwce 2	Chrysotile 2%

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 4811 37th Ave; 00541479 **CEI LAB CODE:** A17-12867

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
78		A2492649	Gray	Mwce 2	Chrysotile 2%
79		A2492650	White/Green	Mfl Wg	None Detected
80		A2492651	White/Green	Mfl Wg	None Detected
81		A2492652	White/Green	Mfl Wg	None Detected
82		A2492653	Gray	Mfl Y	None Detected
83		A2492654	Gray	Mfl Y	None Detected
84		A2492655	Gray	Mfl Y	None Detected
85		A2492656	Gold/Beige	Mfl De	None Detected
86		A2492657	Gold/Beige	Mfl De	None Detected
87		A2492658	Gold/Beige	Mfl De	None Detected
88		A2492659A	Beige/Tan	Mfl Et	None Detected
		A2492659B	Beige	Mfl Et	None Detected
89		A2492660A	Beige/Tan	Mfl Et	None Detected
		A2492660B	Beige	Mfl Et	None Detected
90		A2492661A	Beige/Tan	Mfl Et	None Detected
		A2492661B	Beige	Mfl Et	None Detected
91		A2492662	White	Mbi 1	None Detected
92		A2492663	White	Mbi 1	None Detected
93		A2492664	White	Mbi 1	None Detected
94		A2492665	Yellow	Mbi 2	None Detected
95		A2492666	Yellow	Mbi 2	None Detected
96		A2492667	Yellow	Mbi 2	None Detected
97		A2492668	Gray	MB	None Detected
98		A2492669	Gray	MB	None Detected
99		A2492670	Gray	MB	None Detected
100		A2492671	Gray	Mbm	None Detected
101		A2492672	Gray	Mbm	None Detected
102		A2492673	Gray	Mbm	None Detected
103		A2492674	Beige	Mdce E	None Detected
104		A2492675	Beige	Mdce E	None Detected
105		A2492676	Beige	Mdce E	None Detected

Asbestos Report Summary

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PROJECT: 4811 37th Ave; 00541479 **CEI LAB CODE:** A17-12867

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
106		A2492677	Gray	Mwce Y	None Detected
107		A2492678	Gray	Mwce Y	None Detected
108		A2492679	Gray	Mwce Y	None Detected
109		A2492680	Brown	Mfb	None Detected
110		A2492681	Brown	Mfb	None Detected
111		A2492682	Brown	Mfb	None Detected
112		A2492683	White	Mdce2 W	None Detected
113		A2492684	White	Mdce2 W	None Detected
114		A2492685	White	Mdce2 W	None Detected
115		A2492686	Beige	Mpge E	Chrysotile 2%
116		A2492687	Beige	Mpge E	Chrysotile 2%
117		A2492688	Beige	Mpge E	Chrysotile 2%
118		A2492689	Black	Mpce	Chrysotile 15%
119		A2492690	Black	Mpce	Chrysotile 15%
120		A2492691	Black	Mpce	Chrysotile 15%
121		A2492692	Brown	Mrs 1	None Detected
122		A2492693	Brown	Mrs 1	None Detected
123		A2492694	Brown	Mrs 1	None Detected
124		A2492695	Gray	Mrs 2	None Detected
125		A2492696	Gray	Mrs 2	None Detected
126		A2492697	Gray	Mrs 2	None Detected
127		A2492698	Black	Mrtp	None Detected
128		A2492699	Black	Mrtp	None Detected
129		A2492700	Black	Mrtp	None Detected
130		A2492701	Brown	Mdce3	None Detected
131		A2492702	Brown	Mdce3	None Detected
132		A2492703	Brown	Mdce3	None Detected
133		A2492704	Brown	Mctwg	None Detected
134		A2492705	Brown	Mctwg	None Detected
135		A2492706	Brown	Mctwg	None Detected
136		A2492707	Tan	Mctwm	None Detected

Asbestos Report Summary

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PROJECT: 4811 37th Ave; 00541479

CEI LAB CODE: A17-12867

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
137		A2492708	Tan	Mctwm	None Detected
138		A2492709	Tan	Mctwm	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: PSI
821 Corporate Ct.
Waukesha, WI 53189

CEI Lab Code: A17-12867
Date Received: 09-11-17
Date Analyzed: 09-12-17
Date Reported: 09-12-17

Project: 4811 37th Ave; 00541479

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
1 A2492572	Mdwc	Heterogeneous Cream/White Fibrous Bound	15%	Cellulose	5% 15% 65%	Paint Calc Carb Gypsum	None Detected
2 A2492573	Mdwc	Heterogeneous Cream/White Fibrous Bound	15%	Cellulose	5% 15% 65%	Paint Calc Carb Gypsum	None Detected
3 A2492574	Mdwc	Heterogeneous Cream/White Fibrous Bound	15%	Cellulose	5% 15% 65%	Paint Calc Carb Gypsum	None Detected
4 A2492575	Mfp	Homogeneous Gray Fibrous Tightly Bound	<1%	Cellulose	60% 40%	Binder Silicates	None Detected
5 A2492576	Mfp	Homogeneous Gray Fibrous Tightly Bound	<1%	Cellulose	60% 40%	Binder Silicates	None Detected
6 A2492577	Mfp	Homogeneous Gray Fibrous Tightly Bound	<1%	Cellulose	60% 40%	Binder Silicates	None Detected
7 A2492578	Mcb	Homogeneous Light Gray Fibrous Tightly Bound	<1%	Cellulose	60% 40%	Binder Silicates	None Detected

ASBESTOS BULK ANALYSIS

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
8 A2492579	Mcb	Homogeneous Light Gray Fibrous Tightly Bound	<1%	Cellulose	60% 40%	Binder Silicates	None Detected
9 A2492580	Mcb	Homogeneous Light Gray Fibrous Tightly Bound	<1%	Cellulose	60% 40%	Binder Silicates	None Detected
10 A2492581	Mcbm	Homogeneous Light Gray Fibrous Tightly Bound	<1%	Cellulose	60% 40%	Binder Silicates	None Detected
11 A2492582	Mcbm	Homogeneous Light Gray Fibrous Tightly Bound	<1%	Cellulose	60% 40%	Binder Silicates	None Detected
12 A2492583	Mcbm	Homogeneous Light Gray Fibrous Tightly Bound	<1%	Cellulose	60% 40%	Binder Silicates	None Detected
13 A2492584	Mfbi	Heterogeneous Brown/Black Fibrous Bound	35% 50%	Cellulose Fiberglass	15%	Tar	None Detected
14 A2492585	Mfbi	Heterogeneous Brown/Black Fibrous Bound	35% 50%	Cellulose Fiberglass	15%	Tar	None Detected

ASBESTOS BULK ANALYSIS

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
15 A2492586	Mfbi	Heterogeneous Brown/Black Fibrous Bound	35% 50%	Cellulose Fiberglass	15%	Tar	None Detected
16 A2492587	Mpg	Heterogeneous Cream Fibrous Bound	2%	Cellulose	96%	Binder	2% Chrysotile
17 A2492588	Mpg	Heterogeneous Cream Fibrous Bound	2%	Cellulose	96%	Binder	2% Chrysotile
18 A2492589	Mpg	Heterogeneous Cream Fibrous Bound	2%	Cellulose	96%	Binder	2% Chrysotile
19 A2492590	Mfl E	Heterogeneous Beige Fibrous Bound	35%	Cellulose	40% 25%	Vinyl Binder	None Detected
20 A2492591	Mfl E	Heterogeneous Beige Fibrous Bound	35%	Cellulose	40% 25%	Vinyl Binder	None Detected
21 A2492592	Mfl E	Heterogeneous Beige Fibrous Bound	35%	Cellulose	40% 25%	Vinyl Binder	None Detected

ASBESTOS BULK ANALYSIS

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
22 A2492593	Mfl N	Heterogeneous Brown Fibrous Bound	25%	Cellulose	50% 25%	Vinyl Binder	None Detected
23 A2492594	Mfl N	Heterogeneous Brown Fibrous Bound	25%	Cellulose	50% 25%	Vinyl Binder	None Detected
24 A2492595	Mfl N	Heterogeneous Brown Fibrous Bound	25%	Cellulose	50% 25%	Vinyl Binder	None Detected
25 Layer 1 A2492596	Mfu P	Homogeneous Black Fibrous Bound	65%	Cellulose	35%	Tar	None Detected
Layer 2 A2492596	Mfu P (Mud)	Homogeneous Cream Fibrous Bound	2%	Cellulose	96%	Calc Carb	**2% Chrysotile**
26 A2492597	Mfu P	Homogeneous Black Fibrous Bound	65%	Cellulose	35%	Tar	None Detected
27 A2492598	Mfu P	Homogeneous Black Fibrous Bound	65%	Cellulose	35%	Tar	None Detected

ASBESTOS BULK ANALYSIS

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
28 A2492599	Mvc	Homogeneous Black Fibrous Bound	2%	Cellulose	98%	Caulk	None Detected
29 A2492600	Mvc	Homogeneous Black Fibrous Bound	2%	Cellulose	98%	Caulk	None Detected
30 A2492601	Mvc	Homogeneous Black Fibrous Bound	2%	Cellulose	98%	Caulk	None Detected
31 A2492602	Mwc	Heterogeneous White/Black Fibrous Bound	5%	Cellulose	5% 90%	Paint Caulk	None Detected
32 A2492603	Mwc	Heterogeneous White/Black Fibrous Bound	5%	Cellulose	5% 90%	Paint Caulk	None Detected
33 A2492604	Mwc	Heterogeneous White/Black Fibrous Bound	5%	Cellulose	5% 90%	Paint Caulk	None Detected
34 A2492605	Mfl W	Heterogeneous White Fibrous Bound	25%	Cellulose	50% 23% 2%	Vinyl Binder Mastic	None Detected

ASBESTOS BULK ANALYSIS

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Project: 4811 37th Ave; 00541479

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
35 A2492606	Mfl W	Heterogeneous White Fibrous Bound	25%	Cellulose	50% 23% 2%	Vinyl Binder Mastic	None Detected
36 A2492607	Mfl W	Heterogeneous White Fibrous Bound	25%	Cellulose	50% 23% 2%	Vinyl Binder Mastic	None Detected
37 A2492608	Mct Fm	Homogeneous Cream Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
38 A2492609	Mct Fm	Homogeneous Cream Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
39 A2492610	Mct Fm	Homogeneous Cream Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
40 A2492611	Mct Fg	Homogeneous Beige Fibrous Bound	2%	Cellulose	60% 38%	Binder Silicates	None Detected
41 A2492612	Mct Fg	Homogeneous Beige Fibrous Bound	2%	Cellulose	60% 38%	Binder Silicates	None Detected

ASBESTOS BULK ANALYSIS

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Project: 4811 37th Ave; 00541479

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
42 A2492613	Mct Fg	Homogeneous Beige Fibrous Bound	2%	Cellulose	60% 38%	Binder Silicates	None Detected
43 A2492614	Msl W	Homogeneous White Fibrous Bound	5%	Cellulose	95%	Binder	None Detected
44 A2492615	Msl W	Homogeneous White Fibrous Bound	5%	Cellulose	95%	Binder	None Detected
45 A2492616	Msl W	Homogeneous White Fibrous Bound	5%	Cellulose	95%	Binder	None Detected
46 A2492617A	Mf12 T	Heterogeneous Tan Fibrous Bound	2%	Cellulose	60% 38%	Vinyl Calc Carb	None Detected
A2492617B	Mf12 T	Homogeneous Clear Fibrous Bound	2%	Cellulose	60% 38%	Mastic Calc Carb	None Detected
47 A2492618A	Mf12 T	Heterogeneous Tan Fibrous Bound	2%	Cellulose	60% 38%	Vinyl Calc Carb	None Detected

ASBESTOS BULK ANALYSIS

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
A2492618B	Mf12 T	Homogeneous Clear Fibrous Bound	2%	Cellulose	60% 38%	Mastic Calc Carb	None Detected
48 A2492619A	Mf12 T	Heterogeneous Tan Fibrous Bound	2%	Cellulose	60% 38%	Vinyl Calc Carb	None Detected
A2492619B	Mf12 T	Homogeneous Clear Fibrous Bound	2%	Cellulose	60% 38%	Mastic Calc Carb	None Detected
49 A2492620A	Mf12 Wn	Heterogeneous White/Brown Fibrous Bound	2%	Cellulose	60% 38%	Vinyl Calc Carb	None Detected
A2492620B	Mf12 Wn	Homogeneous Clear Fibrous Bound	2%	Cellulose	60% 38%	Mastic Calc Carb	None Detected
50 A2492621A	Mf12 Wn	Heterogeneous White/Brown Fibrous Bound	2%	Cellulose	60% 38%	Vinyl Calc Carb	None Detected
A2492621B	Mf12 Wn	Homogeneous Clear Fibrous Bound	2%	Cellulose	60% 38%	Mastic Calc Carb	None Detected

ASBESTOS BULK ANALYSIS

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
51 A2492622A	Mf12 Wn	Heterogeneous White/Brown Fibrous Bound	2% 	Cellulose 	60% 38%	Vinyl Calc Carb	None Detected
A2492622B	Mf12 Wn	Homogeneous Clear Fibrous Bound	2%	Cellulose	60% 38%	Mastic Calc Carb	None Detected
52 A2492623	Mtsm	Homogeneous Beige Fibrous Bound	2%	Cellulose	60% 38%	Mastic Calc Carb	None Detected
53 A2492624	Mtsm	Homogeneous Beige Fibrous Bound	2%	Cellulose	60% 38%	Mastic Calc Carb	None Detected
54 A2492625	Mtsm	Homogeneous Beige Fibrous Bound	2%	Cellulose	60% 38%	Mastic Calc Carb	None Detected
55 A2492626	Mfl Lg	Heterogeneous Yellow/Green Fibrous Bound	20% 5%	Cellulose Fiberglass	50% 25%	Vinyl Binder	None Detected
56 A2492627	Mfl Lg	Heterogeneous Yellow/Green Fibrous Bound	20% 5%	Cellulose Fiberglass	50% 25%	Vinyl Binder	None Detected

ASBESTOS BULK ANALYSIS

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
57 A2492628	Mfl Lg	Heterogeneous Yellow/Green Fibrous Bound	20% 5%	Cellulose Fiberglass	50% 25%	Vinyl Binder	None Detected
58 A2492629	Mdc W	Heterogeneous White Fibrous Bound	2%	Cellulose	8% 90%	Paint Caulk	None Detected
59 A2492630	Mdc W	Heterogeneous White Fibrous Bound	2%	Cellulose	8% 90%	Paint Caulk	None Detected
60 A2492631	Mdc W	Heterogeneous White Fibrous Bound	2%	Cellulose	8% 90%	Paint Caulk	None Detected
61 A2492632	Mfl L	Heterogeneous Yellow Fibrous Bound	5%	Fiberglass	95%	Vinyl	None Detected
62 A2492633	Mfl L	Heterogeneous Yellow Fibrous Bound	5%	Fiberglass	95%	Vinyl	None Detected
63 A2492634	Mfl L	Heterogeneous Yellow Fibrous Bound	5%	Fiberglass	95%	Vinyl	None Detected

ASBESTOS BULK ANALYSIS

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
64 A2492635	Mfl T	Heterogeneous Tan Fibrous Bound	25%	Cellulose	50% 25%	Vinyl Binder	None Detected
65 A2492636	Mfl T	Heterogeneous Tan Fibrous Bound	25%	Cellulose	50% 25%	Vinyl Binder	None Detected
66 A2492637	Mfl T	Heterogeneous Tan Fibrous Bound	25%	Cellulose	50% 25%	Vinyl Binder	None Detected
67 A2492638	Mfl Cn	Heterogeneous Cream/Brown Fibrous Bound	25%	Cellulose	50% 23% 2%	Vinyl Binder Mastic	None Detected
68 A2492639	Mfl Cn	Heterogeneous Cream/Brown Fibrous Bound	25%	Cellulose	50% 23% 2%	Vinyl Binder Mastic	None Detected
69 A2492640	Mfl Cn	Heterogeneous Cream/Brown Fibrous Bound	25%	Cellulose	50% 23% 2%	Vinyl Binder Mastic	None Detected
70 A2492641	Mfl Ln	Heterogeneous Yellow/Brown Fibrous Bound	25%	Cellulose	50% 23% 2%	Vinyl Binder Mastic	None Detected

ASBESTOS BULK ANALYSIS

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Project: 4811 37th Ave; 00541479

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
71 A2492642	Mfl Ln	Heterogeneous Yellow/Brown Fibrous Bound	25%	Cellulose	50% 23% 2%	Vinyl Binder Mastic	None Detected
72 A2492643	Mfl Ln	Heterogeneous Yellow/Brown Fibrous Bound	25%	Cellulose	50% 23% 2%	Vinyl Binder Mastic	None Detected
73 A2492644A	Mfl Ont	Heterogeneous Orange/Brown, Tan Fibrous Bound	5%	Cellulose	45% 25%	Vinyl Binder	**25% Chrysotile**
A2492644B	Mfl	Heterogeneous Cream ,Multicolor Spotted Fibrous Bound	25%	Cellulose	50% 25%	Vinyl Binder	None Detected
74 A2492645A	Mfl Ont	Heterogeneous Orange/Brown, Tan Fibrous Bound	5%	Cellulose	45% 25%	Vinyl Binder	**25% Chrysotile**
A2492645B	Mfl	Heterogeneous Cream ,Multicolor Spotted Fibrous Bound	25%	Cellulose	50% 25%	Vinyl Binder	None Detected

ASBESTOS BULK ANALYSIS

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Client: PSI
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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
75 A2492646A	Mfl Ont	Heterogeneous Orange/Brown, Tan Fibrous Bound	5%	Cellulose	45% 25%	Vinyl Binder	**25% Chrysotile**
A2492646B	Mfl	Heterogeneous Cream ,Multicolor Spotted Fibrous Bound	25%	Cellulose	50% 25%	Vinyl Binder	None Detected
76 A2492647	Mwce 2	Heterogeneous Gray Fibrous Bound	2%	Cellulose	8% 88%	Paint Caulk	**2% Chrysotile**
77 A2492648	Mwce 2	Heterogeneous Gray Fibrous Bound	2%	Cellulose	8% 88%	Paint Caulk	**2% Chrysotile**
78 A2492649	Mwce 2	Heterogeneous Gray Fibrous Bound	2%	Cellulose	8% 88%	Paint Caulk	**2% Chrysotile**
79 A2492650	Mfl Wg	Heterogeneous White/Green Fibrous Bound	25%	Cellulose	50% 25%	Vinyl Binder	None Detected
80 A2492651	Mfl Wg	Heterogeneous White/Green Fibrous Bound	25%	Cellulose	50% 25%	Vinyl Binder	None Detected

ASBESTOS BULK ANALYSIS

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Project: 4811 37th Ave; 00541479

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
81 A2492652	Mfl Wg	Heterogeneous White/Green Fibrous Bound	25%	Cellulose	50% 25%	Vinyl Binder	None Detected
82 A2492653	Mfl Y	Heterogeneous Gray Fibrous Bound	25%	Cellulose	50% 25%	Vinyl Binder	None Detected
83 A2492654	Mfl Y	Heterogeneous Gray Fibrous Bound	25%	Cellulose	50% 25%	Vinyl Binder	None Detected
84 A2492655	Mfl Y	Heterogeneous Gray Fibrous Bound	25%	Cellulose	50% 25%	Vinyl Binder	None Detected
85 A2492656	Mfl De	Heterogeneous Gold/Beige Fibrous Bound	25%	Cellulose	50% 25%	Vinyl Binder	None Detected
86 A2492657	Mfl De	Heterogeneous Gold/Beige Fibrous Bound	25%	Cellulose	50% 25%	Vinyl Binder	None Detected
87 A2492658	Mfl De	Heterogeneous Gold/Beige Fibrous Bound	25%	Cellulose	50% 25%	Vinyl Binder	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: PSI
821 Corporate Ct.
Waukesha, WI 53189

CEI Lab Code: A17-12867
Date Received: 09-11-17
Date Analyzed: 09-12-17
Date Reported: 09-12-17

Project: 4811 37th Ave; 00541479

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
88 A2492659A	Mfl Et	Heterogeneous Beige/Tan Fibrous Bound	25%	Cellulose	50% 25%	Vinyl Binder	None Detected
A2492659B	Mfl Et	Heterogeneous Beige Fibrous Bound	25%	Cellulose	50% 25%	Vinyl Binder	None Detected
89 A2492660A	Mfl Et	Heterogeneous Beige/Tan Fibrous Bound	25%	Cellulose	50% 25%	Vinyl Binder	None Detected
A2492660B	Mfl Et	Heterogeneous Beige Fibrous Bound	25%	Cellulose	50% 25%	Vinyl Binder	None Detected
90 A2492661A	Mfl Et	Heterogeneous Beige/Tan Fibrous Bound	25%	Cellulose	50% 25%	Vinyl Binder	None Detected
A2492661B	Mfl Et	Heterogeneous Beige Fibrous Bound	25%	Cellulose	50% 25%	Vinyl Binder	None Detected
91 A2492662	Mbi 1	Homogeneous White Fibrous Loose	100%	Fiberglass			None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: PSI
821 Corporate Ct.
Waukesha, WI 53189

CEI Lab Code: A17-12867
Date Received: 09-11-17
Date Analyzed: 09-12-17
Date Reported: 09-12-17

Project: 4811 37th Ave; 00541479

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
92 A2492663	Mbi 1	Homogeneous White Fibrous Loose	100%	Fiberglass			None Detected
93 A2492664	Mbi 1	Homogeneous White Fibrous Loose	100%	Fiberglass			None Detected
94 A2492665	Mbi 2	Homogeneous Yellow Fibrous Loose	100%	Fiberglass			None Detected
95 A2492666	Mbi 2	Homogeneous Yellow Fibrous Loose	100%	Fiberglass			None Detected
96 A2492667	Mbi 2	Homogeneous Yellow Fibrous Loose	100%	Fiberglass			None Detected
97 A2492668	MB	Homogeneous Gray Fibrous Tightly Bound	<1%	Cellulose	60% 40%	Binder Silicates	None Detected
98 A2492669	MB	Homogeneous Gray Fibrous Tightly Bound	<1%	Cellulose	60% 40%	Binder Silicates	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: PSI
821 Corporate Ct.
Waukesha, WI 53189

CEI Lab Code: A17-12867
Date Received: 09-11-17
Date Analyzed: 09-12-17
Date Reported: 09-12-17

Project: 4811 37th Ave; 00541479

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
99 A2492670	MB	Homogeneous Gray Fibrous Tightly Bound	<1%	Cellulose	60% 40%	Binder Silicates	None Detected
100 A2492671	Mbm	Homogeneous Gray Fibrous Bound	<1%	Cellulose	60% 40%	Binder Silicates	None Detected
101 A2492672	Mbm	Homogeneous Gray Fibrous Bound	<1%	Cellulose	60% 40%	Binder Silicates	None Detected
102 A2492673	Mbm	Homogeneous Gray Fibrous Bound	<1%	Cellulose	60% 40%	Binder Silicates	None Detected
103 A2492674	Mdce E	Heterogeneous Beige Fibrous Bound	2%	Cellulose	8% 90%	Paint Caulk	None Detected
104 A2492675	Mdce E	Heterogeneous Beige Fibrous Bound	2%	Cellulose	8% 90%	Paint Caulk	None Detected
105 A2492676	Mdce E	Heterogeneous Beige Fibrous Bound	2%	Cellulose	8% 90%	Paint Caulk	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: PSI
821 Corporate Ct.
Waukesha, WI 53189

CEI Lab Code: A17-12867
Date Received: 09-11-17
Date Analyzed: 09-12-17
Date Reported: 09-12-17

Project: 4811 37th Ave; 00541479

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
106 A2492677	Mwce Y	Heterogeneous Gray Fibrous Bound	2%	Cellulose	8% 90%	Paint Caulk	None Detected
107 A2492678	Mwce Y	Heterogeneous Gray Fibrous Bound	2%	Cellulose	8% 90%	Paint Caulk	None Detected
108 A2492679	Mwce Y	Heterogeneous Gray Fibrous Bound	2%	Cellulose	8% 90%	Paint Caulk	None Detected
109 A2492680	Mfb	Heterogeneous Brown Fibrous Loosely Bound	95%	Cellulose	5%	Tar	None Detected
110 A2492681	Mfb	Heterogeneous Brown Fibrous Loosely Bound	95%	Cellulose	5%	Tar	None Detected
111 A2492682	Mfb	Heterogeneous Brown Fibrous Loosely Bound	95%	Cellulose	5%	Tar	None Detected
112 A2492683	Mdce2 W	Heterogeneous White Fibrous Bound	2%	Cellulose	8% 90%	Paint Caulk	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: PSI
821 Corporate Ct.
Waukesha, WI 53189

CEI Lab Code: A17-12867
Date Received: 09-11-17
Date Analyzed: 09-12-17
Date Reported: 09-12-17

Project: 4811 37th Ave; 00541479

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
113 A2492684	Mdce2 W	Heterogeneous White Fibrous Bound	2%	Cellulose	8% 90%	Paint Caulk	None Detected
114 A2492685	Mdce2 W	Heterogeneous White Fibrous Bound	2%	Cellulose	8% 90%	Paint Caulk	None Detected
115 A2492686	Mpge E	Homogeneous Beige Fibrous Bound	2%	Cellulose	96%	Binder	**2% Chrysotile**
116 A2492687	Mpge E	Homogeneous Beige Fibrous Bound	2%	Cellulose	96%	Binder	**2% Chrysotile**
117 A2492688	Mpge E	Homogeneous Beige Fibrous Bound	2%	Cellulose	96%	Binder	**2% Chrysotile**
118 A2492689	Mpce	Homogeneous Black Fibrous Bound	2%	Cellulose	83%	Caulk	**15% Chrysotile**
119 A2492690	Mpce	Homogeneous Black Fibrous Bound	2%	Cellulose	83%	Caulk	**15% Chrysotile**

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: PSI
821 Corporate Ct.
Waukesha, WI 53189

CEI Lab Code: A17-12867
Date Received: 09-11-17
Date Analyzed: 09-12-17
Date Reported: 09-12-17

Project: 4811 37th Ave; 00541479

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
120 A2492691	Mpce	Homogeneous Black Fibrous Bound	2%	Cellulose	83%	Caulk	**15% Chrysotile**
121 A2492692	Mrs 1	Heterogeneous Brown Fibrous Bound	30%	Cellulose	10% 55% 5%	Gravel Tar Silicates	None Detected
122 A2492693	Mrs 1	Heterogeneous Brown Fibrous Bound	30%	Cellulose	10% 55% 5%	Gravel Tar Silicates	None Detected
123 A2492694	Mrs 1	Heterogeneous Brown Fibrous Bound	30%	Cellulose	10% 55% 5%	Gravel Tar Silicates	None Detected
124 A2492695	Mrs 2	Heterogeneous Gray Fibrous Bound	30%	Cellulose	10% 55% 5%	Gravel Tar Vermiculite	None Detected
125 A2492696	Mrs 2	Heterogeneous Gray Fibrous Bound	30%	Cellulose	10% 55% 5%	Gravel Tar Vermiculite	None Detected
126 A2492697	Mrs 2	Heterogeneous Gray Fibrous Bound	30%	Cellulose	10% 55% 5%	Gravel Tar Vermiculite	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: PSI
821 Corporate Ct.
Waukesha, WI 53189

CEI Lab Code: A17-12867
Date Received: 09-11-17
Date Analyzed: 09-12-17
Date Reported: 09-12-17

Project: 4811 37th Ave; 00541479

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
127 A2492698	Mrtp	Homogeneous Black Fibrous Bound	65%	Cellulose	35%	Tar	None Detected
128 A2492699	Mrtp	Homogeneous Black Fibrous Bound	65%	Cellulose	35%	Tar	None Detected
129 A2492700	Mrtp	Homogeneous Black Fibrous Bound	65%	Cellulose	35%	Tar	None Detected
130 A2492701	Mdce3	Heterogeneous Brown Fibrous Bound	2%	Cellulose	8% 90%	Paint Caulk	None Detected
131 A2492702	Mdce3	Heterogeneous Brown Fibrous Bound	2%	Cellulose	8% 90%	Paint Caulk	None Detected
132 A2492703	Mdce3	Heterogeneous Brown Fibrous Bound	2%	Cellulose	8% 90%	Paint Caulk	None Detected
133 A2492704	Mctwg	Homogeneous Brown Fibrous Bound	2%	Cellulose	98%	Binder	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

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Waukesha, WI 53189

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Project: 4811 37th Ave; 00541479

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
134 A2492705	Mctwg	Homogeneous Brown Fibrous Bound	2%	Cellulose	98%	Binder	None Detected
135 A2492706	Mctwg	Homogeneous Brown Fibrous Bound	2%	Cellulose	98%	Binder	None Detected
136 A2492707	Mctwm	Homogeneous Tan Fibrous Bound	2%	Cellulose	60% 38%	Mastic Calc Carb	None Detected
137 A2492708	Mctwm	Homogeneous Tan Fibrous Bound	2%	Cellulose	60% 38%	Mastic Calc Carb	None Detected
138 A2492709	Mctwm	Homogeneous Tan Fibrous Bound	2%	Cellulose	60% 38%	Mastic Calc Carb	None Detected

LEGEND:	Non-Anth	= Non-Asbestiform Anthophyllite
	Non-Trem	= Non-Asbestiform Tremolite
	Calc Carb	= Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: <1% by visual estimation

REPORTING LIMIT FOR POINT COUNTS: 0.25% by 400 Points or 0.1% by 1,000 Points

REGULATORY LIMIT: >1% by weight

Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. Estimated measurement of uncertainty is available on request.

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ANALYST: Shilpa Ladekar

APPROVED BY: Tianbao Bai, Ph.D., CIH
Laboratory Director

NVLAP TESTING
NVLAP LAB CODE 101768-0

(138) A17-12.867

ASBESTOS A249 2572
CHAIN OF CUSTODY A249 2709

CEI LABS
107 New Edition Court, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

LAB USE ONLY:
CEI Lab Code:
CEI Lab I.D. Range:

COMPANY INFORMATION	PROJECT INFORMATION
CEI CLIENT #:	Job Contact: Jim Mike
Company: PSI, INC.	Email / Tel: Jim.Mike@psiusa.com
Address: 821 Corporate Court	Project Name: 4811 37th Ave
Waukesha, WI 53189	Project ID# 0054479
Email: Lacey.Rathor@psiusa.com	PO #:
Tel: 262-521-2121 Fax: 262-521-2471	STATE SAMPLES COLLECTED IN: WI

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	☐	☐	☐	☒	☐	☐
PLM POINT COUNT (400)	EPA 600	☐	☐	☐	☐	☐	☐
PLM POINT COUNT (1000)	EPA 600	☐	☐	☐	☐	☐	☐
PLM GRAV w POINT COUNT	EPA 600		☐	☐	☐	☐	☐
PLM BULK	CARB 435		☐	☐	☐	☐	☐
PCM AIR	NIOSH 7400	☐	☐	☐	☐	☐	☐
TEM AIR	EPA AHERA	☐	☐	☐	☐	☐	☐
TEM AIR	NIOSH 7402	☐	☐	☐	☐	☐	☐
TEM AIR	ISO 10312	☐	☐	☐	☐	☐	☐
TEM AIR	ASTM 6281-09	☐	☐	☐	☐	☐	☐
TEM BULK	CHATFIELD		☐	☐	☐	☐	☐
TEM DUST WIPE	ASTM D6480-05	☐	☐	☐	☐	☐	☐
TEM DUST MICROVAC	ASTM D5755-09	☐	☐	☐	☐	☐	☐
TEM SOIL	ASTM D7521-13			☐	☐	☐	☐
TEM VERMICULITE	CINCINNATI METHOD			☐	☐	☐	☐
OTHER:		☐	☐	☐	☐	☐	☐

REMARKS / SPECIAL INSTRUCTIONS:
2 BAGS

☑ Accept Samples
☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
Mike Lamon	9/8/17	A	9/11/17 9:00
	5:00 PM		

Samples will be disposed of 30 days after analysis

psi Information To Build On
Engineering • Consulting • Testing

BULK SAMPLE LOG

Client:	City of Kenosha	**Construction Date:**	Unknown
Project:	Multi-Family Residential Building	**Date of Inspection:**	9/7-8/17
Address:	4811 37th Ave. Kenosha, WI	**Inspector:**	Mike Larsen
		Inspector #:	AII-13850

SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL DESCRIPTION
01	101	Drywall/Joint Compound Composite
02	202	Drywall/Joint Compound Composite
03	113	Drywall/Joint Compound Composite
04	01	Flue Packing
05	01	Flue Packing
06	01	Flue Packing
07	01	Concrete Block
08	01	Concrete Block
09	01	Concrete Block
10	01	Concrete Block Mortar
11	01	Concrete Block Mortar
12	01	Concrete Block Mortar
13	01	Fiberglass Batt Insulation with Suspect Layer
14	101	Fiberglass Batt Insulation with Suspect Layer
15	201	Fiberglass Batt Insulation with Suspect Layer
16	01	Window Pane Glazing
17	01	Window Pane Glazing
18	01	Window Pane Glazing
19	STWL1	Beige Linoleum
20	STWL1	Beige Linoleum
21	STWL2	Beige Linoleum
22	STWL3	Brown Linoleum
23	STWL3	Brown Linoleum
24	100	Brown Linoleum
25	101	Flooring Underlayment Paper
26	112	Flooring Underlayment Paper
27	201	Flooring Underlayment Paper
28	101	Vent Caulk - Black
29	112	Vent Caulk - Black
30	201	Vent Caulk - Black
31	101	Window Caulk - White/Black
32	112	Window Caulk - White/Black
33	201	Window Caulk - White/Black

psi Information To Build On
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BULK SAMPLE LOG

Client:	City of Kenosha	**Construction Date:**	Unknown
Project:	Multi-Family Residential Building	**Date of Inspection:**	9/7-8/17
Address:	4811 37th Ave. Kenosha, WI	**Inspector:**	Mike Larsen
		Inspector #:	AII-13850

SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL DESCRIPTION
34	102	White Linoleum
35	102	White Linoleum
36	102	White Linoleum
37	102	Ceramic Tile Floor Mastic
38	113	Ceramic Tile Floor Mastic
39	113	Ceramic Tile Floor Mastic
40	102	Ceramic Tile Floor Grout
41	113	Ceramic Tile Floor Grout
42	113	Ceramic Tile Floor Grout
43	102	Sink Undercoating - White
44	102	Sink Undercoating - White
45	102	Sink Undercoating - White
46	102	12" x 12" Tan Floor Tile and Associated Mastic
47	206	12" x 12" Tan Floor Tile and Associated Mastic
48	206	12" x 12" Tan Floor Tile and Associated Mastic
49	213	12" x 12" White/Brown Floor Tile and Associated Mastic
50	213	12" x 12" White/Brown Floor Tile and Associated Mastic
51	213	12" x 12" White/Brown Floor Tile and Associated Mastic
52	106	Tub Surround Mastic - Beige
53	117	Tub Surround Mastic - Beige
54	206	Tub Surround Mastic - Beige
55	113	Yellow/Green Linoleum
56	113	Yellow/Green Linoleum
57	113	Yellow/Green Linoleum
58	113	Door Caulk - White
59	113	Door Caulk - White
60	113	Door Caulk - White
61	117	Yellow Linoleum
62	117	Yellow Linoleum
63	117	Yellow Linoleum
64	200	Tan Linoleum
65	200	Tan Linoleum
66	200	Tan Linoleum

psi Information To Build On
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BULK SAMPLE LOG

Client:	City of Kenosha	**Construction Date:**	Unknown
Project:	Multi-Family Residential Building	**Date of Inspection:**	9/7-8/17
Address:	4811 37th Ave. Kenosha, WI	**Inspector:**	Mike Larsen
		Inspector #:	AII-13850

SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL DESCRIPTION
67	202	Cream/Brown Linoleum
68	202	Cream/Brown Linoleum
69	202	Cream/Brown Linoleum
70	202	Yellow/Brown Linoleum
71	202	Yellow/Brown Linoleum
72	202	Yellow/Brown Linoleum
73	202	Orange/Brown/Tan Linoleum
74	202	Orange/Brown/Tan Linoleum
75	202	Orange/Brown/Tan Linoleum
76	Exterior	Exterior Window Caulk - Beige
77	Exterior	Exterior Window Caulk - Beige
78	Exterior	Exterior Window Caulk - Beige
79	213	White/Green Linoleum
80	213	White/Green Linoleum
81	213	White/Green Linoleum
82	213	Gray Linoleum
83	213	Gray Linoleum
84	213	Gray Linoleum
85	213	Gold/Beige Linoleum
86	213	Gold/Beige Linoleum
87	213	Gold/Beige Linoleum
88	213	Beige/Tan Linoleum
89	213	Beige/Tan Linoleum
90	213	Beige/Tan Linoleum
91	300	Blown-in Insulation - White
92	300	Blown-in Insulation - White
93	300	Blown-in Insulation - White
94	300	Blown-in Insulation - Yellow
95	300	Blown-in Insulation - Yellow
96	300	Blown-in Insulation - Yellow
97	Exterior	Brick
98	Exterior	Brick
99	Exterior	Brick

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BULK SAMPLE LOG

Client:	City of Kenosha	**Construction Date:**	Unknown
Project:	Multi-Family Residential Building	**Date of Inspection:**	9/7-8/17
Address:	4811 37th Ave. Kenosha, WI	**Inspector:**	Mike Larsen
		Inspector #:	AII-13850

SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL DESCRIPTION
100	Exterior	Brick Mortar
101	Exterior	Brick Mortar
102	Exterior	Brick Mortar
103	Exterior	Exterior Door Caulk - Beige
104	Exterior	Exterior Door Caulk - Beige
105	Exterior	Exterior Door Caulk - Beige
106	Exterior	Exterior Window Caulk - Gray
107	Exterior	Exterior Window Caulk - Gray
108	Exterior	Exterior Window Caulk - Gray
109	Exterior	Fibrous Board
110	Exterior	Fibrous Board
111	Exterior	Fibrous Board
112	Exterior	Exterior Door Caulk - White
113	Exterior	Exterior Door Caulk - White
114	Exterior	Exterior Door Caulk - White
115	Exterior	Exterior Window Pane Glazing - Beige
116	Exterior	Exterior Window Pane Glazing - Beige
117	Exterior	Exterior Window Pane Glazing - Beige
118	Exterior	Pipe Caulk - Black
119	Exterior	Pipe Caulk - Black
120	Exterior	Pipe Caulk - Black
121	Roof	Roof Shingles - Brown
122	Roof	Roof Shingles - Brown
123	Roof	Roof Shingles - Brown
124	Roof	Roof Shingles - Gray
125	Roof	Roof Shingles - Gray
126	Roof	Roof Shingles - Gray
127	Roof	Roofing Tar Paper
128	Roof	Roofing Tar Paper
129	Roof	Roofing Tar Paper
130	Exterior	Exterior Door Caulk - Brown
131	Exterior	Exterior Door Caulk - Brown
132	Exterior	Exterior Door Caulk - Brown

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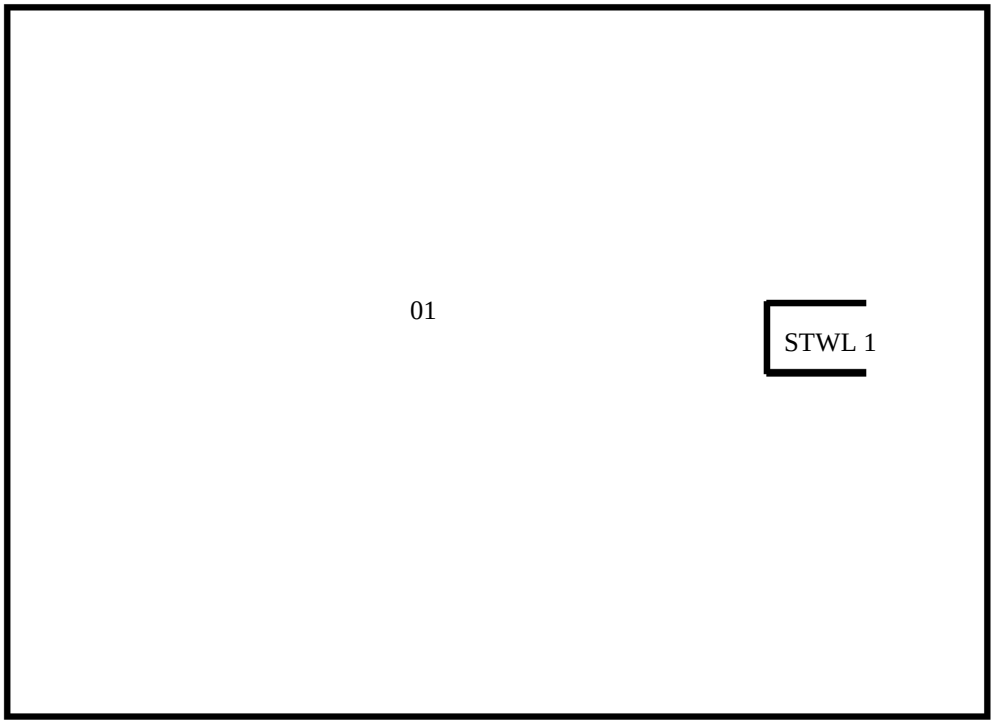
BULK SAMPLE LOG

Client:	City of Kenosha	**Construction Date:**	Unknown
Project:	Multi-Family Residential Building	**Date of Inspection:**	9/7-8/17
Address:	4811 37th Ave. Kenosha, WI	**Inspector:**	Mike Larsen
		Inspector #:	AII-13850

SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL DESCRIPTION
133	106	Ceramic Tile Wall Grout
134	117	Ceramic Tile Wall Grout
135	217	Ceramic Tile Wall Grout
136	108	Ceramic Tile Wall Mastic
137	117	Ceramic Tile Wall Mastic
138	217	Ceramic Tile Wall Mastic



Information To Build On
Engineering • Consulting • Testing

Environmental Services
821 Corporate Court
Waukesha, Wisconsin 53189
(262) 521-2125 Fax (262) 521-2471

City of Kenosha
4811 37th Avenue
Kenosha, WI

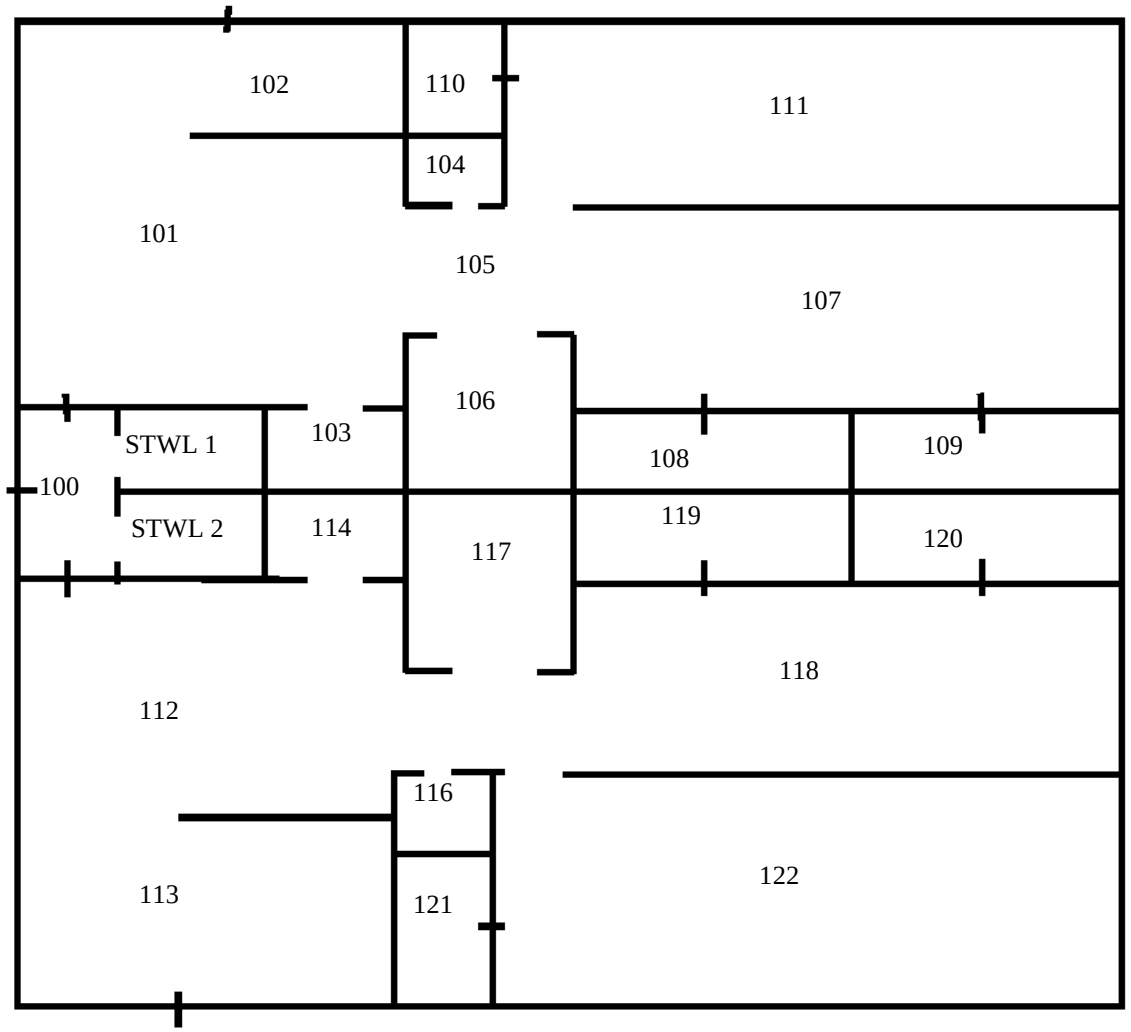
PSI Project Number:
00541479

Floor Plan
Basement

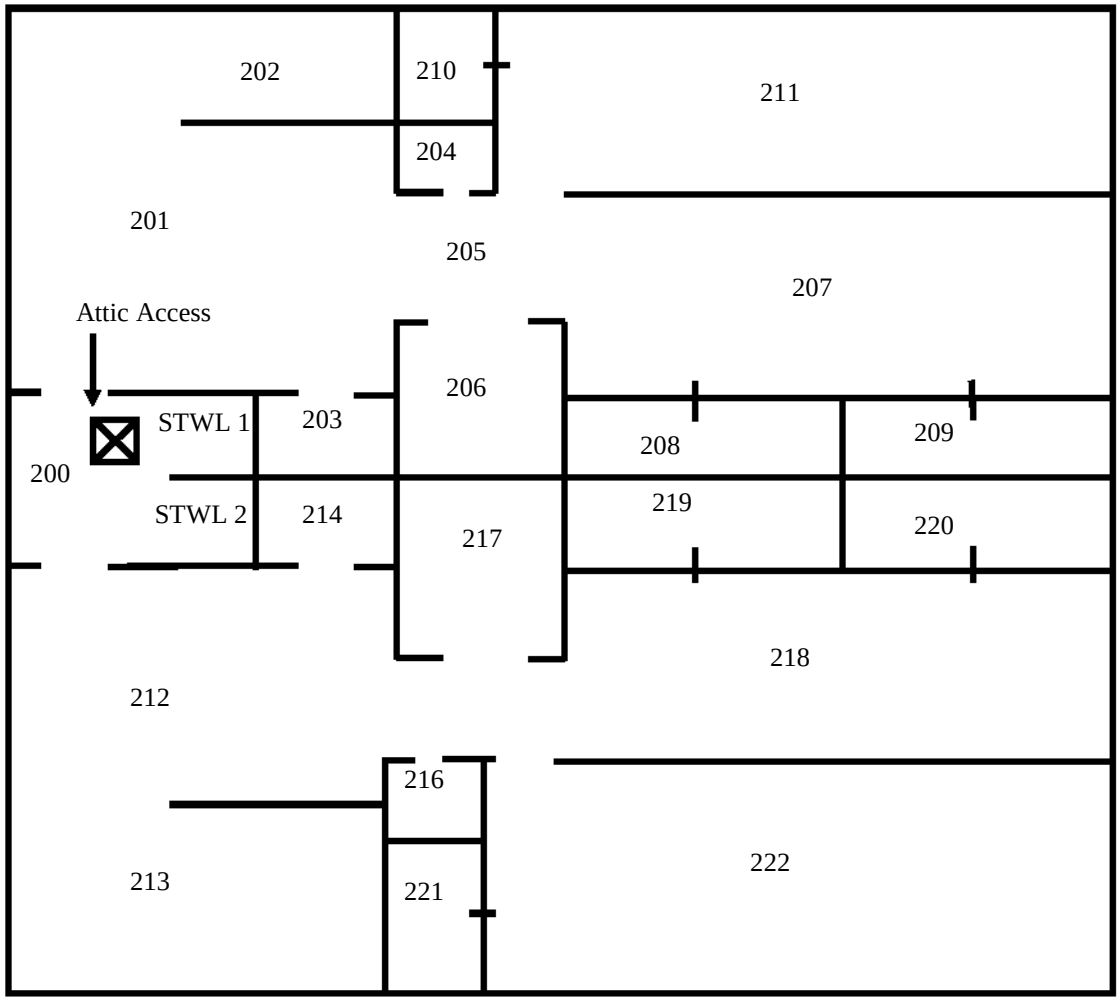
Scale:
Not to Scale

Date:
9/8/2017

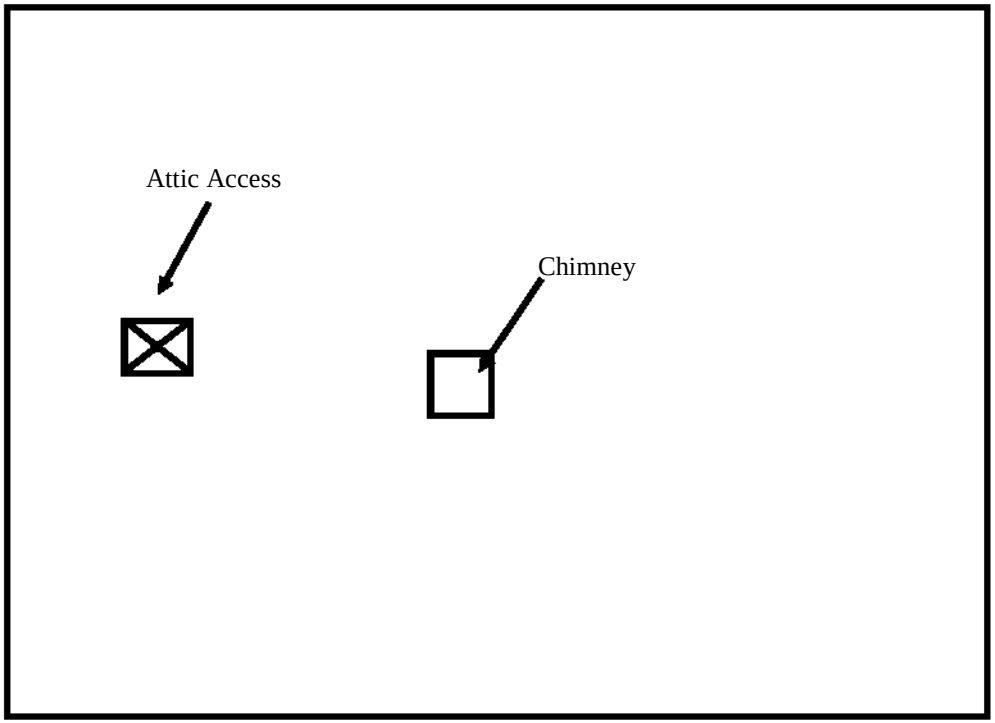
NORTH



psi Information To Build On Engineering • Consulting • Testing	Environmental Services 821 Corporate Court Waukesha, Wisconsin 53189 (262) 521-2125 Fax (262) 521-2471	**City of Kenosha** 4811 37th Avenue Kenosha, WI	PSI Project Number: 00541479	NORTH
		Floor Plan **First Floor**	Scale: Not to Scale / Date: 9/8/2017	



psi Information To Build On Engineering • Consulting • Testing	Environmental Services 821 Corporate Court Waukesha, Wisconsin 53189 (262) 521-2125 Fax (262) 521-2471	**City of Kenosha** 4811 37th Avenue Kenosha, WI	PSI Project Number: 00541479	NORTH
		Floor Plan **Second Floor**	Scale: Not to Scale / Date: 9/8/2017	



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		Floor Plan **Attic**	Scale: Not to Scale	Date: 9/8/2017

Milwaukee Lead/Asbestos Information Center

A division of Midwest Certified Training, Inc.
3495 North 124th Street, Brookfield, WI 53005 Phone: 414-481-9070

Michael Louis Franklin Larsen

Has successfully completed a course and passed the examination on April 28.2016 *with a minimum score of 70 percent, that meets all criteria for the State of Wisconsin Recertification as an*

Asbestos Inspector Refresher Course

Date of Course: *April 28.2016*

Date Issued *April 28, 2016*

Date of Expiration: *April 28, 2017*

Certification Number: *AIR16042854708*

Rocky Everly

Rocky Everly, Director of Milwaukee Lead/Asbestos Information Center, Inc.
3495 North 124th Street
Brookfield, WI 53005
414-481-9070

Location: *Milwaukee Lead/Asbestos Information Center, 3495 North 124th Street, Brookfield, WI 53005*

DCQ Course ID #: 9606

This training course complies with the requirements of TSCA Title II and is accredited by the State of Wisconsin Department of Health Services under ch. DHS 159, Wis. Admin.Code.

Company Certificate

This certifies that

PSI - PROFESSIONAL SERVICE INDUSTRIES INC

821 CORPORATE CT
WAUKESHA WI 53189-5009

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

Asbestos Company - Primary

Certificate Issue Date: 07/16/2015
Expiration Date: 08/01/2017, 12:01 a.m.
Certification #: CAP-16820

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

Shelley A Bruce

Shelley A Bruce,
Unit Supervisor

NVLAP® National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

CEI Labs, Inc.
730 SE Maynard Road
Cary, NC 27511
Dr. Tianbao Bai
Phone: 919-481-1413 Fax: 919-481-1442
Email: bai@ceilabs.com
http://www.ceilabs.com

ASBESTOS FIBER ANALYSIS — NVLAP LAB CODE 101768-0

Bulk Asbestos Analysis

Code	*Description*
18/A01	EPA 600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

Airborne Asbestos Analysis

Code	*Description*
18/A02	U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.

For the National Voluntary Laboratory Accreditation Program

United States Department of Commerce
National Institute of Standards and Technology

Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 101768-0

CEI Labs, Inc.

Cary, NC

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

Asbestos Fiber Analysis

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2016-04-01 through 2017-03-31

Effective Dates

DEPARTMENT OF COMMERCE * UNITED STATES OF AMERICA *

David F. Alderman

For the National Voluntary Laboratory Accreditation Program