

COPY

88 Empire Drive
St. Paul, MN 55114
Tel: 651-642-1150
Fax: 651-642-1239

May 13, 2015

Joe Gelhar
Joe's Home Repair & Remodeling, Inc.
13004 Judicial Road
Burnsville, MN 55337

Re: Limited Asbestos Sampling & Lead Soil Testing -- 1045 Arcade Street, St. Paul, MN
LEGEND No. 1501644

Dear Mr. Gelhar:

1.0 **INTRODUCTION**

The following is the final report of the limited asbestos sampling & lead soil testing performed at 1045 Arcade Street in St. Paul, MN. The sampling was performed on May 5, 2015 by Andrew Tinklenberg of LEGEND TECHNICAL SERVICES, INC. (LEGEND).

2.0 **BACKGROUND INFORMATION**

LEGEND was asked by Mr. Joe Gelhar of Joe's Home Repair to perform limited asbestos and lead soil sampling of a small ground area (Approx. 16'x20') at the northwest corner of the property. According to the building owner, there was a fire at the adjacent property to the west on April 29, 2015 and there was concern that potential lead paint and suspect asbestos siding may have contaminated the building owner's property. LEGEND's scope of work was limited to the sampling and analysis of the asbestos and soil samples.

3.0 **METHODOLOGY**

The asbestos samples were collected in accordance with Minnesota Department of Health Rules 4620.3460. The samples were analyzed in LEGEND's in-house laboratory. Analysis for the presence of asbestos fibers in bulk samples was performed in LEGEND's laboratory using polarized light microscopy (PLM) and dispersion staining techniques. The analysis was performed using an Olympus BHSP microscope at 40-200X magnification in accordance with current U.S. Environmental Protection Agency (USEPA) protocols, "Method for the Determination of Asbestos in Bulk Building Materials," EPA 600/R-93/116, 1993 and "Interim Method for the Determination of Asbestos in Bulk Insulation Samples," EPA-600/M4-82-020, Dec. 1982. All reported percentages are by visual estimates. In the case of nonhomogeneous samples, each material or layer is analyzed separately and the reported percentages are based on the total sample as received. An asbestos containing material (ACM) is defined as any material containing greater than one percent asbestos as analyzed by PLM techniques.

Lead soil samples were collected from the northwest corner (area of concern) and the southeast area of the property (for comparison purposes). Composite samples were collected. Small amounts (approximately one tablespoon) of soil was collected from bare soil areas and placed into 125-milliliter glass jars. The samples were analyzed in LEGEND's St. Paul laboratory using Inductively Coupled Plasma (ICP), EPA Method 6010C. LEGEND is accredited by the AIHA for the analysis of lead in soils.

4.0 RESULTS

4.1 ASBESTOS SAMPLE RESULTS

One (1) asbestos sample was collected of suspect transite siding pieces located on the ground throughout the northwest corner of the property.

The sample was analyzed and found to be asbestos containing.

Refer to Table #1 for further information regarding the asbestos samples and their locations.

4.2 LEAD SOIL SAMPLE RESULTS

LEGEND collected two (2) composite soil samples for the presence of lead. The soil sample collected from the northwest soil area of the property was found to be 200 milligrams per kilogram (mg/kg), which is above the MDH standard for lead in soil. The soil sample collected from the southeast bush area of the property was found to be 250 mg/kg, which is also above the MDH standard for lead in soil.

Refer to Table #2 for the soil sample results.

5.0 REGULATORY INFORMATION

Lead in soil is defined by MDH as any soil containing lead in a concentration of 100 mg/kg (or parts per million (ppm)) or greater. Permanent abatement or paving is required for areas with lead in concentration of 5,000 ppm or greater.

6.0 REMARKS

The recommendations in this report represent our professional opinions. These opinions were arrived at in accordance with currently accepted architectural, engineering, minimum code, and industrial hygiene practices at this time and location. Other than this, no warranty is implied or intended.

The asbestos samples will be retained for 30 days past the date of this report.

Cordially,

LEGEND TECHNICAL SERVICES, INC.

Andrew Tinklenberg
MN Certified Asbestos Inspector
MN Certified Lead Risk Assessor

Todd Giorgi
Microscopist

Attachments: Certifications/Accreditations

LEGEND TECHNICAL SERVICES, INC.
TABLE #1
ASBESTOS SAMPLE RESULTS
LEGEND No. 1501644

JOE'S HOME REPAIR & REMODELING, INC.
 1045 Arcade Street, St. Paul, MN

| Sample No. | Laboratory No. | Sample Location | Material Description | Asbestos Content | Balance of Material |
|------------|----------------|---|---|-----------------------|--------------------------------|
| 1045-1 | 1501644-1 | Northwest Corner Of Property - On Ground | Transite Siding Pieces Gray, Cementitious Homogeneous | 15% Chrysotile | 83% Nonfibrous 2% Cellulose |

LEGEND TECHNICAL SERVICES, INC.

TABLE #2

LEAD SOIL SAMPLE RESULTS

LEGEND No. 1501644

Joe's Home Repair
1045 Arcade Street, St. Paul, MN

| Sample No. | Laboratory No. | Location | Bare/Covered | Lead Results mg/kg | Reporting Limit mg/kg | MDH Standard for Lead in Soil |
|------------|----------------|--|--|-----------------------|--------------------------|-------------------------------------|
| 1045-S-1 | 1501646-01 | Northwest Corner of Property | Mostly soil, some grass and woodchips | 200 | 5.0 | 100 mg/kg |
| 1045-S-2 | 1501646-02 | Southeast Corner of Property -- Bush Area | Mostly soil, bushes | 250 | 5.0 | 100 mg/kg |

mg/kg = milligrams per kilogram

MDH = Minnesota Department of Health

Certificate No: 5LMI1051405IR

Expiration Date: November 5, 2015

This is to certify that

Andrew J. Tinklenberg
has attended and successfully completed an
ASBESTOS INSPECTOR
REFRESHER TRAINING COURSE

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

Lake States Environmental, Ltd.
in
White Bear Lake, MN on November 5, 2014
Examination Date: November 5, 2014

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



Andrew J. Tinklenberg
Director, Env Health Div

MDH ASBESTOS INSPECTOR

Certified by:
State of Minnesota
Department of Health
Expires: 11/05/2015
Andrew J Tinklenberg
10300 Devonshire Cir #E301
Bloomington, MN 55420

No AHC619 11/10/2014

Paul D. McNeill
Training Instructor

Issue Date: March 3, 2015

Certificate No: 5LM03031511PbRAR

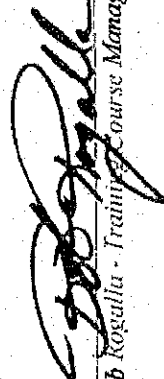
This diploma is awarded to
Andrew J. Tinklenberg
10300 Devonshire Circle #E301 Bloomington MN 55431
for successfully completing and passing the examination for the

**LEAD (Pb) RISK ASSESSOR
REFRESHER TRAINING COURSE**


This training course is Approved by the State of Minnesota
under Minnesota Rules, parts 4761.2000 to 4761.2700
and meets the requirements of 40 CFR 745.225,
and Title X of the Toxic Substances Control Act (TSCA)
conducted by


Lake States Environmental, Ltd.

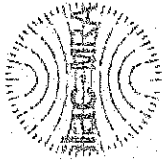
**White Bear Lake, MN on March 3, 2015
Examination Date: March 3, 2015**


Bob Rogalla - Training Course Manager

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

LEAD  **Risk Assessor**
Licensed by:
State of Minnesota
Department of Health
License No. LR3105
Expires 03/03/2016
Andrew J Tinklenberg
10300 Devonshire Cir #E301
Bloomington, MN 55420
Director, Env Health Div.





AIHA

Laboratory Accreditation
Programs, LLC

AIHA Laboratory Accreditation Programs, LLC

acknowledges that

LEGEND Technical Services, Inc.

88 Empire Drive, St. Paul, MN 55103

Laboratory ID: 101095

along with all premises from which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC accreditation to the ISO/IEC 17025:2005 international standard, *General Requirements for the Competence of Testing and Calibration Laboratories* in the following:

LABORATORY ACCREDITATION PROGRAMS

- INDUSTRIAL HYGIENE
- ENVIRONMENTAL LEAD
- ENVIRONMENTAL MICROBIOLOGY
- FOOD
- UNIQUE SCOPES

- Accreditation Expires: 07/01/2015
- Accreditation Expires: 07/01/2015
- Accreditation Expires:
- Accreditation Expires:
- Accreditation Expires:

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached **Scope of Accreditation**. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2005 and AIHA-LAP, LLC requirements. This certificate is not valid without the attached **Scope of Accreditation**. Please review the AIHA-LAP, LLC website (www.aihaaccreditedlabs.org) for the most current Scope.

Larry S. Pierce
Chairperson, Analytical Accreditation Board

Revision 13: 03/12/2013

Cheryl O. Morton
Managing Director, AIHA Laboratory Accreditation Programs, LLC

Date Issued: 08/30/2013

AIHA

Laboratory Accreditation
Programs, LLC

AIHA Laboratory Accreditation Programs, LLC SCOPE OF ACCREDITATION

LEGEND Technical Services, Inc.

88 Empire Drive, St. Paul, MN 55103

Laboratory ID: **101095**

Issue Date: 03/17/2015

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or withdrawal of accreditation.

Industrial Hygiene Laboratory Accreditation Program (IHLAP)

Initial Accreditation Date: 03/01/1998

| IHLAP Scope Category | Field of Testing (FoT) | Technology sub-type/Detector | Published Reference Method/Title of In-house Method | Method Description or Analyte (for internal methods only) |
|--------------------------------|---|------------------------------|---|---|
| Chromatography Core | GC/MS | | EPA TO-15 | |
| | Gas Chromatography (Diffusive Samplers) | | NIOSH 1300 | |
| | | | NIOSH 1501 | |
| | | | NIOSH 1614 | |
| Spectrometry Core | Inductively-Coupled Plasma | ICP/AES | EPA SW-846 6010C | |
| | | | NIOSH 7303 | |
| Asbestos/Fiber Microscopy Core | Phase Contrast Microscopy (PCM) | | NIOSH 7400A | |
| Miscellaneous Core | Gravimetric | | NIOSH 0500 | |
| | | | NIOSH 0600 | |

A complete listing of currently accredited Industrial Hygiene laboratories is available on the AIHA-LAP, LLC website at: <http://www.aihaaccreditedlabs.org>

AIHA

Laboratory Accreditation
Programs, LLC

AIHA Laboratory Accreditation Programs, LLC SCOPE OF ACCREDITATION

LEGEND Technical Services, Inc.
88 Empire Drive, St. Paul, MN 55103

Laboratory ID: **101095**
Issue Date: 08/30/2013

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or withdrawal of accreditation.

The EPA recognizes the AIHA-LAP, LLC ELLAP program as meeting the requirements of the National Lead Laboratory Accreditation Program (NLLAP) established under Title X of the Residential Lead-Based Paint Hazard Reduction Act of 1992 and includes paint, soil and dust wipe analysis. Air analysis is not included as part of the NLLAP.

Environmental Lead Laboratory Accreditation Program (ELLAP)

Initial Accreditation Date: 01/01/2002

| Field of Testing (FoT) | Method | Method Description (for internal methods only) |
|------------------------|------------------|---|
| Paint | EPA SW-846-3050C | |
| | NIOSH 7300 | |
| Soil | EPA SW-846-3050C | |
| | NIOSH 7300 | |
| Settled Dust by Wipe | EPA SW-846-3050C | |
| | NIOSH 7300 | |
| Airborne Dust | EPA SW-846-3050C | |
| | NIOSH 7300 | |

A complete listing of currently accredited Environmental Lead laboratories is available on the AIHA-LAP, LLC website at: <http://www.aihaaccreditedlabs.org>

MINNESOTA DEPARTMENT OF HEALTH

has authorized

**LEGEND TECHNICAL SERVICES, INC.
88 EMPIRE DR
ST PAUL, MINNESOTA 55103**

In accordance with Minnesota Statutes, section 144.9505 and Minnesota Rules, part 4761.2200, to practice in the State of Minnesota as a

CERTIFIED LEAD FIRM

LICENSE NO: LF207
EXPIRES: 12/05/2015

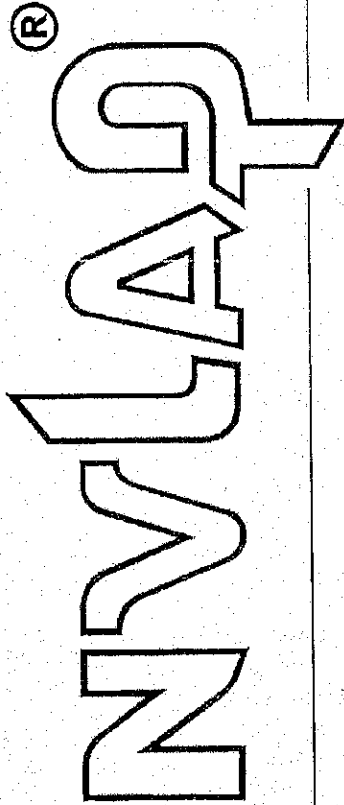
THIS CERTIFICATE IS NONTRANSFERABLE



A handwritten signature in black ink, appearing to read "T. P. Hogan", is written over the printed name of the Director.

Thomas P. Hogan, Director
Environmental Health Division

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 102081-0

Legend Technical Services, Inc.

St. Paul, MN

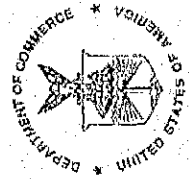
*is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for.*

BULK 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 Communiqué dated January 2009).*

2015-04-01 through 2016-03-31

Effective dates

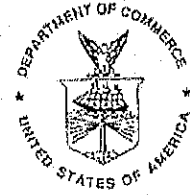


A handwritten signature in black ink, appearing to read "Michael R. Mello".

For the National Institute of Standards and Technology



**National Voluntary
Laboratory Accreditation Program**



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Legend Technical Services, Inc.
 88 Empire Drive
 St. Paul, MN 55103
 Ms. Cheryl Sykora
 Phone: 651-221-4085 Fax: 651-642-1239
 E-Mail: CSykora@legend-group.com
 URL: <http://www.legend-group.com>

BULK ASBESTOS FIBER ANALYSIS (PLM)

NVLAP LAB CODE 102081-0

| <i>NVLAP Code</i> | <i>Designation / Description</i> |
|-------------------|--|
| 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 |

2015-04-01 through 2016-03-31

Effective dates

For the National Institute of Standards and Technology

COPY

4761.2660 METHODS FOR LEAD HAZARD REDUCTION FOR SOIL.

A. Bare soil that contains lead in a concentration of at least 100 parts per million but less than 5,000 parts per million must be removed or covered as follows:

(1) if soil is to be covered with concrete, asphalt, or other similar impervious material, the soil must first be compacted before covering;

(2) if soil is to be covered with sod or other living material:

(a) the soil must be removed to a depth that eliminates visible paint chips and debris; and

(b) the soil must be tilled and raked before covering with sod or other living material; and

(3) if soil is to be covered with sand, wood chips, or other nonliving, permeable material, the soil must be removed to a depth that eliminates visible paint chips and debris.

B. Bare soil that contains lead in a concentration of at least 5,000 parts per million must be:

(1) removed; or

(2) compacted and then covered with concrete, asphalt, or other impervious material.

C. The lead concentration in any replacement soil must not exceed 25 parts per million according to Minnesota Statutes, section 144.9508, subdivision 2, paragraph (c).

D. Erosion control methods must be used during all lead hazard reduction. The final surface must provide erosion control.

E. If soil is removed and left uncovered, the newly exposed soil must be sampled according to documented methodologies to determine that the lead concentration is below the soil standard under part 4761.2510, subpart 3.

Statutory Authority: *MS s 144.9508*

History: *29 SR 531*

Published Electronically: *November 29, 2004*

XFINITY Connect

joeshomerepair@comcast.net

Font Size

Re: Limited Asbestos & Lead Soil Testing - 1045 Arcade St., St. Paul, MN**From :** Andrew Tinklenberg <atinklenberg@legend-group.com>

Thu, May 14, 2015 10:04 AM

Subject : Re: Limited Asbestos & Lead Soil Testing - 1045 Arcade St., St. Paul, MN 1 attachment**To :** joeshomerepair@comcast.net

Joe,

Here is the link we talked about regarding lead in soil. Let me know if you have any more questions.

Andrew Tinklenberg
LEGEND

Sent from my iPhone.

> On May 13, 2015, at 4:05 PM, "Andrew Tinklenberg" <atinklenberg@legend-group.com> wrote:

>

> Joe,

>

> The report for the sampling that was performed at the above listed address should be attached. The soil sampling results didn't show anything definitive as far as the northwest corner compared with the southeast area, but both areas were above the MDH standard of 100 ppm. I'll send a hard copy of the report along with invoice in the mail shortly. Let me know if you have any questions. Thanks,

>

> Andrew Tinklenberg

>

> [cid:image002.png@01D08D92.CD8BFEB0]

>

> 88 Empire Drive

> St. Paul, MN 55103

> 651-642-1150; Fax: 651-642-1239

> Direct: 651-221-4063; Cell: 651-491-4249

>


> EMAIL CONFIDENTIALITY STATEMENT

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> <1501644 - 1045 Arcade St., St. Paul, MN.pdf>

> <image002.png>

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