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HAZARDOUS BUILDING MATERIALS SURVEY

Asbestos and Lead-Based Paint

**1 and 55 Sunshine Lane
Reno, Nevada
APN 012-302-14**

***Contract DEP17-026
Task Number MA30-21***

Prepared for:

***State of Nevada
Department of Conservation & Natural Resources
Division of Environmental Protection
901 South Stewart Street, Suite 4001
Carson City, Nevada 89701***

On Behalf of:

Reno-Sparks Indian Colony

May 4, 2021

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LIST OF ACRONYMS

ACM	Asbestos-containing Materials
AHERA	Asbestos Hazard Emergency Response Act
AIHA	American Industrial Hygiene Association
CEM	Certified Environmental Manager
DW	Drywall
EMLAB	EMLab P&K
EPA	United States Environmental Protection Agency
ESA	Environmental Site Assessment
IAQ	Indoor Air Quality
HASP	Health and Safety Plan
HBMS	Hazardous Building Materials Survey
HUD	United States Department of Housing and Urban Development
LBP	Lead-based Paint
McGinley	McGinley and Associates
NESHAP	National Emission Standard for Hazardous Air Pollutants
NVLAP	National Voluntary Laboratory Accreditation Program
OSHA	Occupational Health and Safety Administration
PE	Professional Engineer
PLM	Polarized Light Microscopy
QA	Quality Assurance
RACM	Regulated Asbestos-containing Material
SAP	Sampling and Analysis Plan
TSI	Thermal Systems Insulation
VFT	Vinyl Floor Tile
VSF	Vinyl Sheet Flooring

1. INTRODUCTION

McGinley and Associates, Inc. (McGinley) has prepared this report summarizing the results of the Hazardous Building Materials Survey (HBMS) conducted on two buildings associated with Washoe County Assessor's Parcel Number (APN) 012-302-14 and addressed at 1 and 55 Sunshine Lane in Reno, Nevada and hereafter referred to as the Subject Property.

These assessment activities were conducted on behalf of the Reno Sparks Indian Colony (RSIC) for the Nevada Division of Environmental Protection (NDEP) as part of RSIC's due diligence efforts prior to closing on the purchase of the property. Funding provided by NDEP's associated State of Nevada Brownfields Program (Contract DEP17-026, Task Number MA30-21) was utilized to conduct these assessment activities.

McGinley conducted the pre-demolition asbestos survey and limited lead-based paint assessment to identify asbestos-containing materials (ACM) and lead-based paint (LBP) coatings that may require appropriate removal, handling, and disposal prior to demolition activities. Ms. Aurelia Walsh, a Nevada Asbestos Abatement Consultant, License No. IM-2002 and EPA certified Lead Risk Assessor, License No. LBP-R-I203290-1, conducted these services at the Subject Property. Copies of professional certifications are included in Appendix A. The assessments were performed in general accordance with the Sampling and Analysis Plan (SAP) and Health and Safety Plan (HASP) prepared by McGinley (February 2021) and requirements in accordance with the NDEP Quality Assurance Program Plan (QA Program Plan) prepared for the NBP (NDEP, 2013).

1.1 Site Location

The Subject Property is currently identified with Washoe County as Assessor's Parcel Number (APN) 012-302-14 and is located in Section 7, Township 19 North, Range 20 East, of the Mount Diablo Baseline and Meridian. The property is accessed from the east via Sunshine Lane, the south via Kuenzli Street, and the west via Kietzke Lane.

The Subject Property is comprised of approximately 3.63 acres of land and consists of a two-story office building, a one-story office building, and exterior storage yard areas. The Subject Property boundary and building locations are presented in Figures 1 and 2. Site information pertaining to each of the structures associated with the Subject Property is summarized in the table below:

Assessor's Parcel Number	Parcel Size (acres)	Address	Building Construction Year	Building Size (ft ²)	Building Use
012-302-14	3.63	55 Sunshine Lane	1995	240	Office Building
		1 Sunshine Lane	Early 1970's	2,100	Office Building

1.2 Background

McGinley reviewed the previous Phase I Environmental Site Assessment (ESA) which was conducted by McGinley on behalf of the RSIC for the Nevada Division of Environmental Protection (NDEP), dated January 21, 2021. According to the information reviewed, the Subject Property appears to have largely consisted of irrigated agricultural land from at least the 1930s through the 1960s. The southwestern portion of the parcel was first developed with

a rural residence by the 1950s. This portion of the parcel was then historically occupied by multiple used car dealers from at least the 1970s through the early 2000s. The site was unoccupied circa 2008 to 2018. In 2018, Vega Asphalt leased the site and ultimately the building was demolished in early 2020. The central portion of the parcel appears to have included several small structures during the 1970s and 1980s. The existing single story office building addressed at 55 Sunshine Lane was constructed in 1995. This portion of the parcel is currently occupied by Owen's Wood Products, a firewood supplier, and historical uses included a used car dealer.

The eastern portion of the parcel was developed with the existing two story office building addressed at 1 Sunshine Lane by the early 1970s. The current occupant, Patrick's Construction Cleanup (PCC), supplies dumpsters to construction sites. Previous tenants are believed to have included automotive salvage and wrecking. The eastern-most corner of the parcel appears to have been utilized by the adjoining landscaping materials company for storage since the 2000s. With the exception of the Phase I ESA, no previous investigations are known to have been conducted at the Subject Property and it appears that no regulatory involvement has occurred in the past.

2. SCOPE OF WORK

The HBMS activities consisted of the following:

- Performing a Pre-Demolition Asbestos Survey;
- Performing a Limited Lead-Based Paint Survey; and
- Preparing this technical report.

The field activities described below were conducted in general accordance with the project-specific SAP and HASP, which were developed by McGinley in February of 2021. The SAP describes sampling and analysis activities to be performed prior to proposed demolition activities in order to evaluate the Subject Property for select hazardous building materials. The HASP was developed in conjunction with the SAP and is attached to the SAP as an Appendix.

3. PRE-DEMOLITION ASBESTOS SURVEY

The pre-demolition asbestos survey was conducted on March 8, 2021, in accordance with U.S. Environmental Protection Agency (USEPA) National Emission Standards for Hazardous Air Pollutants (NESHAP) requirements. Samples were collected from the Subject Property using EPA-recommended sampling procedures in general accordance with the procedures recommended in the Asbestos Hazard Emergency Response Act [(AHERA), 40 Code of Federal Regulations (CFR) 763, Subpart E] as referenced in the Occupational Safety and Health Administration (OSHA) asbestos in construction standard (29 CFR 1926.1101) and the ASTM International Practice E 2356-04 *Standard Practice for Comprehensive Building Asbestos Surveys*. The purpose of the survey was to determine the presence of ACMs within the Subject Property buildings. The survey design was based upon site conditions at the time of field activities.

McGinley did not disassemble mechanical systems, fire-rated doors, piping, or machinery due to accessibility issues or safety concerns; therefore, unidentified asbestos/lead-based paint may be present at the site. Additionally, McGinley did not access roofs, attics, or crawl spaces of the buildings where access doors/hatches were absent.

3.1 Regulations

The asbestos NESHAP (40 CFR Part 61, Subpart M) is an asbestos standard that was promulgated to enforce regulations to protect the public from exposure to airborne contaminants (e.g., asbestos due to renovation or demolition activities) that are known to be hazardous to human health. An asbestos containing material (ACM) is defined as any material that contains greater than one percent (1%) asbestos as determined by laboratory analysis using polarized light microscopy (PLM). According to NESHAP, asbestos-containing building materials are classified as either friable or non-friable ACM. Friable materials are those that, when dry, may be crumbled, pulverized or reduced to powder by hand pressure. The EPA further distinguishes non-friable ACMs as Category I and Category II. Non-Friable ACM is defined as:

- Category I ACM: asbestos-containing gaskets, packings, resilient floor coverings, resilient floor covering mastic, and asphalt roofing products containing more than 1% asbestos.
- Category II ACM: includes all other non-friable ACM, for example, asbestos-cement shingles and tiles, and transite boards or panels containing more than 1% asbestos.

The applicability of the NESHAP to Category I and II ACM depends on the condition of the material at the time of demolition or renovation, the nature of the operation to which the material will be subjected, and the amount of ACM involved. Per the NESHAP, a thorough asbestos inspection must be conducted prior to demolition or renovation of a structure to identify any Regulated ACM (RACM). RACM is defined by NESHAP as the following:

- All friable ACM;
- Category I and II non-friable ACM that has become friable;
- Category I and II non-friable ACM that has already been or will be subject to sanding, grinding, cutting, or abrading; or
- Category I and II non-friable ACM that has already been or is likely to become crumbled, pulverized, or reduced to powder during renovation or demolition activities.

If the amount of RACM in a facility meets or exceeds the regulatory threshold amount of 260 linear feet, 160 square feet, or 35 cubic feet off of facility components (if the material could not be measured previously), the NESHAP asbestos regulations require the removal of all RACM from the facility prior to beginning any activity that might damage, strip, remove, dislodge, cut, drill, or similarly disturb the material. In addition, according to the Nevada OSHA regulations NAC 618.960, before any building or structure which contains friable ACM may be demolished, the friable ACM must be removed regardless of the amount involved.

ACM is also regulated under Occupational Safety & Health Administration (OSHA) regulations set forth in 29 CFR 1926.1101. Pursuant to these regulations, ACM should only be disturbed by workers who have received the proper training in asbestos abatement and maintenance activities. Class I work is defined by OSHA as activities involving the removal of thermal system insulation (TSI), surfacing material, and presumed asbestos containing material (PACM). Class II work is defined by OSHA as activities involving the removal of ACM which is not TSI or surfacing material.

3.2 Asbestos Sampling Activities

Prior to sample collection, a preliminary visual assessment of each building was conducted to identify suspect ACM. Once the visual assessment was complete, samples of suspect

ACMs were collected from designated homogeneous sampling areas (areas in which the materials are uniform in color, texture, construction or application date, and general appearance). Each homogeneous area was observed for material type, location, condition, and friability.

A total of 23 bulk samples and one field duplicate sample were collected from the Subject Property. Each collected bulk sample was placed and sealed in a sample bag and assigned a unique sample identification number (*BRN071-AB-001 through BRN071-AB-024*). The field duplicate sample was provided its own distinct identification number to keep its identity blind to the laboratory. A summary of the samples collected during the survey is presented in Table 1. Sample locations are presented in Figures 3A-3B.

3.3 Laboratory Analysis

The samples were submitted under chain-of-custody procedures to Eurofins EMLab P&K (EMLab) located in Las Vegas, Nevada. EMLab is an accredited laboratory in the National Voluntary Laboratory Accreditation Program (NVLAP) for bulk asbestos fiber analysis. The samples were analyzed using polarized light microscopy (PLM) with dispersion staining, for the presence and quantification of asbestos fibers, in accordance with EPA Method 600/R-93/116. A copy of the analytical report and chain-of-custody record is included in Appendix B. Copies of laboratory certifications and accreditations are included in Appendix C.

3.4 Asbestos Analytical Results

Based on the analytical results of bulk samples collected during this survey, all samples collected were reported to be below the laboratory detection limit for asbestos.

4. LIMITED LEAD-BASED PAINT SURVEY

On March 8, 2021, Ms. Aurelia Walsh, an EPA-certified Lead Inspector, conducted a limited lead-based paint (LBP) survey for the Subject Property. The limited LBP survey was conducted to identify the presence and content level of lead for compliance with regulatory requirements pertaining to worker protection and waste disposal. These requirements are regulated by the following:

- Occupational Safety and Health Administration (OSHA) 29 CFR 1926.62
- EPA 40 CFR Part 745, Subpart L – Lead Based Paint Activities

The limited lead-based paint survey was conducted in general accordance with EPA's work practice standards for conducting LBP activities (40 CFR 745.227), and the HUD Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing (Second Edition, July 2012); it should be noted that this was not a comprehensive surface-by-surface investigation for LBP, but rather a screening survey of major coated surfaces where the presence of LBP is suspected.

4.1 Lead-based paint Sampling Activities

Prior to sampling, a preliminary visual assessment was conducted to evaluate presence, color, and condition of the painted components, determine homogeneous areas, and to develop a sampling scheme. A physical assessment of painted surfaces was conducted to determine if the paint was intact or damaged. Damaged paint appears as cracked, chipped and/or peeling away from the substrate as a result of moisture, wear, heat and/or age. Based on the visual and physical assessment a majority of the painted surfaces were determined to be intact and in good

condition. Therefore, samples were collected from damaged painted surfaces that were in fair to poor condition and that, if determined to be lead-based paint, would require stabilization prior to demolition.

A total of 3 bulk paint chip samples were collected from the Subject Property. Each collected paint chip sample was placed and sealed in a sample bag and assigned a unique sample identification number (*BRN071-LP-001 through BRN071-LP-003*). A full list of paint chip sample locations and results is presented in Table 2. Sample locations are presented in Figures 3A-3B.

4.2 Laboratory Analysis

The bulk paint chip samples were submitted under chain-of-custody procedures to Eurofins EMLab P&K (EMLab) located in Las Vegas, Nevada. The paint chip samples were analyzed for lead using flame atomic absorption spectrometry in accordance with the EPA's Method 7000B modified and NIOSH 7082. A copy of the analytical report and chain-of-custody record is included in Appendix B. Copies of laboratory certifications and accreditations are included in Appendix C.

4.3 Lead-based Paint Analytical Results

The U.S. EPA definition of LBP is paint containing a lead concentration greater than 5,000 parts per million (ppm); or 0.5 percent by weight. Of the three paint chip samples collected from the Subject Property, none were reported to be above the 5,000 ppm action level.

5. CONCLUSIONS AND RECOMENDATIONS

5.1 Pre-Demolition Asbestos Survey

Based on the asbestos survey results, asbestos was not identified in the samples collected, therefore abatement is not necessary at this time. There is a possibility that additional suspect ACM may be discovered during demolition activities (including but not limited to wall/crawl spaces and subflooring). Should additional suspect ACM, not sampled or assessed in this report, be uncovered during abatement/demolition activities, the following steps should be taken:

- Samples of suspect material should be collected for laboratory analysis by a licensed asbestos inspector, and any activities which may affect the materials or expose workers to the damaged materials should cease until laboratory analysis is performed, or
- The materials should be considered ACMs and abated in accordance with applicable regulations.

Please note that according to the NESHAP Standard for Asbestos, prior to any demolition of a facility, regardless of whether asbestos is involved, a Notification of Demolition and Renovation must be submitted to the Washoe County Air Quality Management Division.

5.2 Limited Lead-Based Paint Survey

Based on the limited LBP survey results, no painted surfaces were identified to contain lead at levels above the U.S. EPA definition of LBP as containing a lead concentration greater than 5,000 parts per million(ppm); or 0.5 percent by weight.

There is a possibility that suspect LBP may be encountered during demolition activities (including but not limited to wall/crawl spaces). Should suspect LBP, not sampled or assessed in this report, be uncovered at any time, the following steps should be taken:

- Samples of the suspect material should be collected and any activities which may affect the materials or expose workers to the damaged materials should cease until the laboratory analysis is performed.

6. LIMITATIONS

The conclusions presented herein are partially based on information provided by McGinley. McGinley makes no warranties or guarantees as to the accuracy or completeness of information provided or compiled by others. The results reported herein are applicable to the time the sampling occurred. In addition, not all building materials were accessible at the time of the assessment. Therefore, inaccessible areas may have unidentified asbestos containing materials present that will require future assessment and/or abatement not characterized in this report.

It should be recognized that definition and evaluation of environmental conditions is a difficult and inexact science. Judgments and opinions leading to conclusions and recommendations are generally made with an incomplete knowledge of the conditions present. More extensive studies, including additional environmental investigations, can tend to reduce the inherent uncertainties associated with such studies. Additional information not found or available to McGinley at the time of writing this report may result in a modification to the conclusions and recommendations contained herein.

The presentation of data presented herein is intended for the purpose of the visualization of environmental conditions. A greater degree of spatial and temporal data density may result in a more accurate representation of environmental conditions. Although such data visualization techniques may aid in providing a conceptual understanding of environmental conditions, such presentations are not intended to completely depict environmental conditions.

This report is not a legal opinion. The services performed by McGinley have been conducted in a manner consistent with the level of care ordinarily exercised by members of our profession currently practicing under similar conditions. No other warranty, expressed or implied, is made.

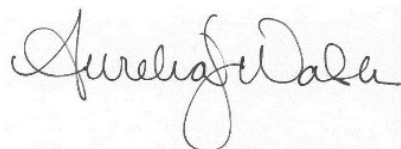
The use of the word "certify" in this document constitutes an expression of professional opinion regarding those facts or findings which are the subject of the certification and does not constitute a warranty or guarantee, either expressed or implied.

7. CLOSURE

We appreciate the opportunity to provide these services to you. Should you have any questions regarding the contents of this report, or need additional information, please contact us at your convenience.

Respectfully submitted,

McGinley and Associates, Inc.



Aurelia J. Walsh

Nevada Asbestos License No. IM-2002

EPA Lead Risk Assessor License No. LBP-R-I203290-1

Project Manager

Reviewed by:

I hereby certify that I am responsible for the services described in this document and for the preparation of this document. The services described in this document have been provided in a manner consistent with the current standards of the profession, and to the best of my knowledge, comply with all applicable federal, state and local statutes, regulations and ordinances



Brett C. Bottenberg, P.E., C.E.M. #1690, Exp. 10/7/21

Operations Manager, Las Vegas

8. REFERENCES

Nevada Occupational Health and Safety Administration (OSHA) – NAC 618.960.

OSHA's "Criteria to rebut the designation of installed material as PACM (Presumed Asbestos Containing Material)", 1926.1101(k)(5).

United States Environmental Protection Agency. 40 CFR Part 61, National Emission Standard for Hazardous Air Pollutants (NESHAP).

US EPA. December 2002. Guidance for Quality Assurance Project Plans. EPA QA/G-5, EPA/240/R-02/009.

US EPA. February 2006. *Guidance on Systematic Planning using the Data Quality Objectives Process*. EPA QA/G-4, EPA/240/B-06/001.

US EPA. July 1993. *Test Method. Method for the determination of Asbestos in Bulk Building Materials*. EPA/600/R-93/116.

US EPA. March 2001. *EPA Requirements for Quality Assurance Project Plans*. EPA QA/R-5, EPA/240/B-01/003.

ASTM E2356-04, *Standard Practice for Comprehensive Building Asbestos Surveys*, ASTM International, West Conshohocken, PA, 2004, www.astm.org



FIGURE 1

TITLE:

**PROJECT LOCATION MAP
-SHOWING-
1 AND 55 SUNSHINE LN
APN: 012-302-14
RENO, WASHOE COUNTY, NV**

JOB NO.:
BRN071

DATE:
4/5/2021



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Environmental Engineering and Science
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FILE:
Fig 1 - Project Location Map

COORDINATE SYSTEM:
NAD 1983 UTM Zone 11N

REV.	DESIGNED	AW	CHECKED	AW	REVISION:
	DRAWN	HC	APPROVED	AW	



FIGURE 2

TITLE:

**SITE MAP
-SHOWING-
1 AND 55 SUNSHINE LN
APN: 012-302-14
RENO, WASHOE COUNTY, NV**

JOB NO.:
BRN071

DATE:
4/2/2021

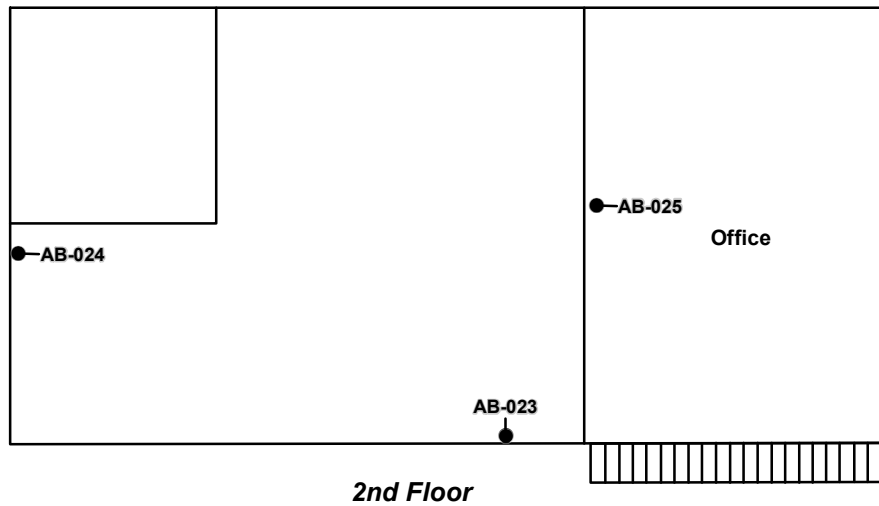
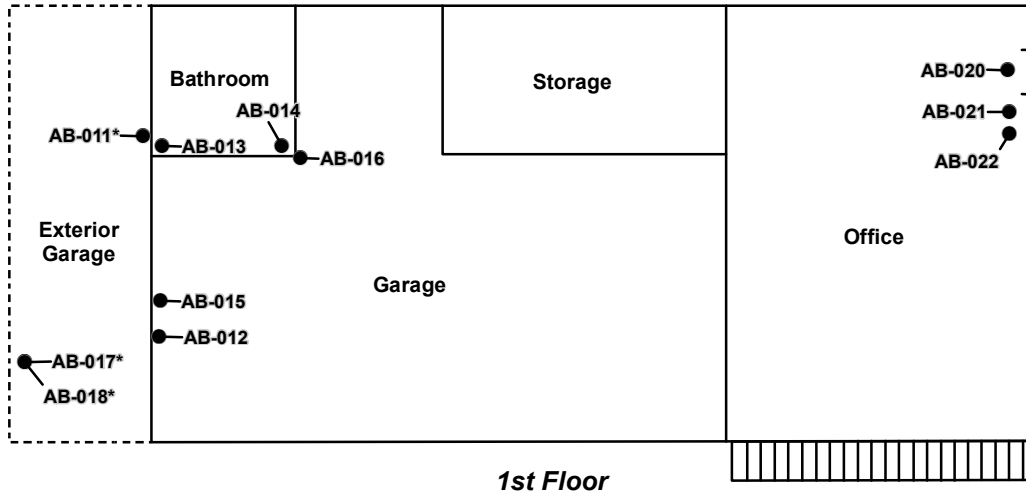


FILE:
Fig 2 - Site Map

COORDINATE SYSTEM:
NAD 1983 UTM Zone 11N

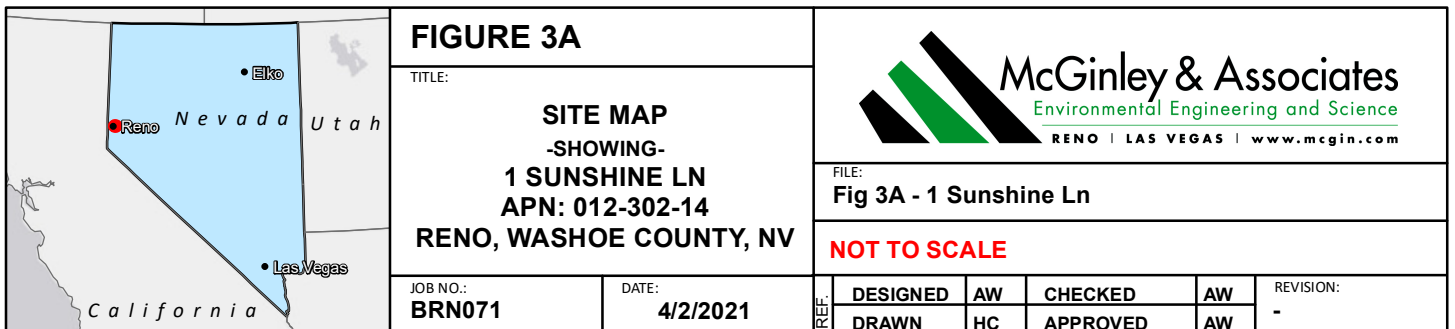
DESIGNED	AW	CHECKED	AW	REVISION:
DRAWN	HC	APPROVED	AW	-

1 SUNSHINE LN

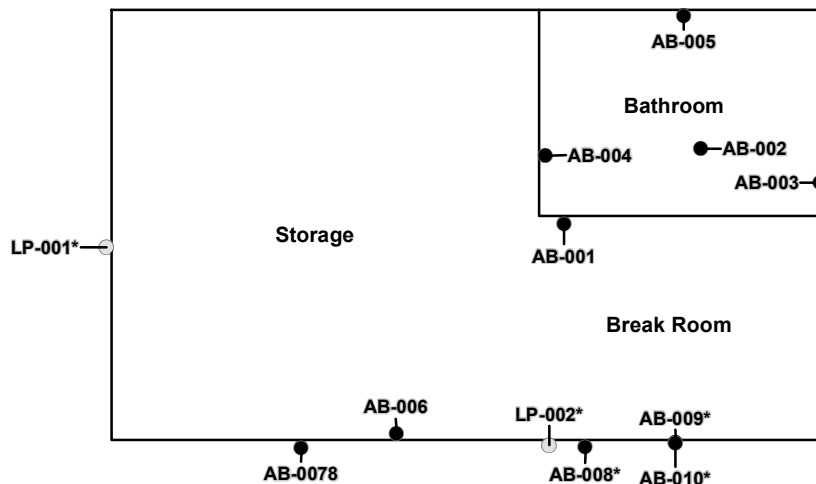


Legend

- Negative Asbestos Sample
- * Exterior Sample



55 SUNSHINE LN



Legend

- Negative Asbestos Sample
- Negative Lead-based Paint Sample
- * Exterior Sample



FIGURE 3B

TITLE:

**SITE MAP
-SHOWING-
55 SUNSHINE LN
APN: 012-302-14
RENO, WASHOE COUNTY, NV**

JOB NO.:
BRN071

DATE:
4/2/2021



FILE:
Fig 3B - 55 Sunshine Ln

NOT TO SCALE

DESIGNED	AW	CHECKED	AW	REVISION:
DRAWN	HC	APPROVED	AW	-

Table 1: Summary of Asbestos Bulk Samples						
Sample ID	Building	Sample Location	Sample Description	Friable (Y/N)	Condition	Asbestos Content
BRN071-AB-001	55 Sunshine	Breakroom - Wall	Text. DW (White)	Y	Fair	ND
BRN071-AB-002	55 Sunshine	Bathroom - Ceiling	Text. DW (White)	Y	Good	ND
BRN071-AB-003	55 Sunshine	Bathroom - Wall	Text. DW w/ Wallpaper (Pink/White)	Y	Fair	ND
BRN071-AB-004	55 Sunshine	Bathroom - Floor	VSF (Floral)	Y	Poor	ND
BRN071-AB-005	55 Sunshine	Bathroom - Floor	VSF (Floral)	Y	Poor	ND
BRN071-AB-006	55 Sunshine	Storage - Floor	Wood w/ Mastic (Brown/Black)	N	Poor	ND
BRN071-AB-007	55 Sunshine - Ext.	Door - Frame	Sealant (White)	N	Good	ND
BRN071-AB-008	55 Sunshine - Ext.	Window	Sealant (White)	N	Poor	ND
BRN071-AB-009	55 Sunshine - Ext.	Roof	Asphaltic Roofing w/ Mastic (Black)	N	Good	ND
BRN071-AB-010	55 Sunshine - Ext.	Roof	Asphaltic Roofing w/ Mastic (Black)	N	Good	ND
BRN071-AB-011	1 Sunshine - Ext.	Garage - Window	Sealant (White)	N	Fair	ND
BRN071-AB-012	1 Sunshine	Garage - Ceiling	ACT w/ DW (White)	Y	Good	ND
BRN071-AB-013	1 Sunshine	Bathroom - Floor	VSF w/ Concrete (Wood)	Y	Good	ND
BRN071-AB-014	1 Sunshine	Bathroom - Floor	VSF w/ Mastic (Wood)	Y	Good	ND
BRN071-AB-015	1 Sunshine	Garage - Floor	Concrete (Grey)	N	Good	ND
BRN071-AB-016	1 Sunshine	Garage - Wall	Text. DW (White)	Y	Good	ND
BRN071-AB-017	1 Sunshine - Ext.	Roof	Asphaltic Roofing w/ Mastic (Black)	N	Good	ND
BRN071-AB-018	1 Sunshine - Ext.	Roof	Asphaltic Roofing w/ Mastic (Black)	N	Good	ND
BRN071-AB-019	1 Sunshine	Office - Ceiling	ACT (White)	Y	Good	ND
BRN071-AB-020	1 Sunshine	Office - Floor	VFT w/ Concrete (Brown/Grey)	N	Good	ND
BRN071-AB-021*	1 Sunshine	Office - Floor	VFT w/ Concrete (Brown/Grey)	N	Good	ND
BRN071-AB-022	1 Sunshine - 2nd Floor	Storage - Wall	DW w/ JC (White)	Y	Good	ND
BRN071-AB-023	1 Sunshine - 2nd Floor	Storage - Wall	DW w/ JC (White)	Y	Good	ND
BRN071-AB-024	1 Sunshine - 2nd Floor	Office - Floor	Carpet (Red)	N	Fair	ND

* Field Duplicate Sample

Table 2: Summary of Lead-Based Paint Chip Sample Results						
Sample ID	Building	Sample Location	Sample Description	Condition	Reporting Limit	Total Lead Result
BRN071-AB-001	55 Sunshine - Ext.	South Wall	Blue Paint on Wood Shingle	Poor	40 ppm	<40 ppm
BRN071-AB-002	55 Sunshine - Ext.	West Overhang	White Paint on Wood	Poor	39 ppm	<39 ppm
BRN071-AB-003	1 Sunshine - Ext.	Garage Wall	Cream Paint on Wood	Fair	38 ppm	<38 ppm

APPENDIX A

Professional Certifications



STATE OF NEVADA
DEPARTMENT OF BUSINESS AND INDUSTRY
DIVISION OF INDUSTRIAL RELATIONS
Occupational Safety and Health Administration
Asbestos Control Program

Certifies That Aurelia Walsh

is Licensed As Asbestos Abatement Consultant

License No. IM-2002

Expiration Date 06/18/2021

Signature Of Licensee *Aurelia Walsh*

United States Environmental Protection Agency

This is to certify that

Aurelia J Walsh



has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226 as:

Risk Assessor

In the Jurisdiction of:

All EPA Administered Lead-based Paint Activities Program States, Tribes and Territories

This certification is valid from the date of issuance and expires June 28, 2022

LBP-R-1203290-1

Certification #

June 14, 2019

Issued On



Adrienne Priselac, Manager, Toxics Office
Land Division

APPENDIX B

Analytical Reports and Chains-of-Custody

Report for:

Aurelia Walsh
McGinley and Associates
815 Maestro Drive
Reno, NV 89511

Regarding: Project: BRN071; BRN071
EML ID: 2596916

Approved by:



Approved Signatory
Kyle Demsko

Dates of Analysis:
Asbestos PLM: 03-18-2021

Service SOPs: Asbestos PLM (EPA 40CFR App E to Sub E of Part 763 & EPA METHOD 600/R-93-116, SOP EM-AS-S-1267)
NVLAP Lab Code 500056-0

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. The results relate only to the samples as received and tested. The results include an inherent uncertainty of measurement associated with estimating percentages by polarized light microscopy. Measurement uncertainty data for sample results with >1% asbestos concentration can be provided when requested.

Eurofins EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Client: McGinley and Associates
C/O: Aurelia Walsh
Re: BRN071; BRN071Date of Submittal: 03-15-2021
Date of Receipt: 03-15-2021
Date of Report: 03-18-2021**ASBESTOS PLM REPORT****Total Samples Submitted:** 24**Total Samples Analyzed:** 24**Total Samples with Layer Asbestos Content > 1%:** 0**Location: BRN071-AB-001, 55 Sunshine, Breakroom-Wall, Text. DW (White)**

Lab ID-Version‡: 12396192-1

Sample Layers	Asbestos Content
White Texture with Paint	ND
White Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Moderate

Location: BRN071-AB-002, 55 Sunshine, Bathroom-Ceiling, Text. DW (White)

Lab ID-Version‡: 12396193-1

Sample Layers	Asbestos Content
White Texture with Paint	ND
White Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Moderate

Location: BRN071-AB-003, 55 Sunshine, Bathroom-Wall, Text. DW w/ Wallpaper (Pink/White)

Lab ID-Version‡: 12396194-1

Sample Layers	Asbestos Content
White Texture with Paint	ND
White Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Moderate

Location: BRN071-AB-004, 55 Sunshine, Bathroom-Floor, VSF (Floral)

Lab ID-Version‡: 12396195-1

Sample Layers	Asbestos Content
White Sheet Flooring with Fibrous Backing	ND
Yellow Mastic	ND
Brown Wood	ND
Composite Non-Asbestos Content:	20% Cellulose 3% Glass Fibers
Sample Composite Homogeneity:	Good

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by any agency of the federal government. Eurofins EMLab P&K reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Eurofins EMLab P&K6100 Mountain Vista St, Ste #160, Henderson, NV 89014
(866) 888-6653 Fax (623) 780-7695 www.emlab.comClient: McGinley and Associates
C/O: Aurelia Walsh
Re: BRN071; BRN071Date of Submittal: 03-15-2021
Date of Receipt: 03-15-2021
Date of Report: 03-18-2021**ASBESTOS PLM REPORT****Location: BRN071-AB-005, 55 Sunshine, Bathroom-Floor, VSF (Floral)**

Lab ID-Version‡: 12396196-1

Sample Layers	Asbestos Content
White Sheet Flooring with Fibrous Backing	ND
Yellow Mastic	ND
Brown Wood	ND
Composite Non-Asbestos Content:	20% Cellulose 3% Glass Fibers
Sample Composite Homogeneity:	Good

Location: BRN071-AB-006, 55 Sunshine, Storage-Floor, Wood w/ Mastic (Brown/Black)

Lab ID-Version‡: 12396197-1

Sample Layers	Asbestos Content
Black Mastic	ND
Brown Wood	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Good

Location: BRN071-AB-007, 55 Sunshine-Ext., Door-Frame, Sealant (White)

Lab ID-Version‡: 12396198-1

Sample Layers	Asbestos Content
White Sealant	ND
Sample Composite Homogeneity:	Good

Location: BRN071-AB-008, 55 Sunshine-Ext., Window, Sealant (White)

Lab ID-Version‡: 12396199-1

Sample Layers	Asbestos Content
White Sealant	ND
Sample Composite Homogeneity:	Good

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Client: McGinley and Associates
C/O: Aurelia Walsh
Re: BRN071; BRN071

Date of Submittal: 03-15-2021
Date of Receipt: 03-15-2021
Date of Report: 03-18-2021

ASBESTOS PLM REPORT**Location: BRN071-AB-009, 55 Sunshine-Ext., Roof, Asphaltic Roofing w/ Mastic (Black)**

Lab ID-Version‡: 12396200-1

Sample Layers	Asbestos Content
Black Roofing Shingle with Pebbles	ND
Black Mastic	ND
Composite Non-Asbestos Content:	10% Glass Fibers
Sample Composite Homogeneity:	Good

Location: BRN071-AB-010, 55 Sunshine-Ext., Roof, Asphaltic Roofing w/ Mastic (Black)

Lab ID-Version‡: 12396201-1

Sample Layers	Asbestos Content
Black Roofing Shingle with Pebbles	ND
Black Mastic	ND
Composite Non-Asbestos Content:	10% Glass Fibers
Sample Composite Homogeneity:	Good

Location: BRN071-AB-011, 1 Sunshine-Ext., Garage-Window, Sealant (White)

Lab ID-Version‡: 12396202-1

Sample Layers	Asbestos Content
White Sealant	ND
Sample Composite Homogeneity:	Good

Location: BRN071-AB-012, 1 Sunshine, Garage-Ceiling, ACT w/ DW (White)

Lab ID-Version‡: 12396203-1

Sample Layers	Asbestos Content
White Ceiling Texture with Paint	ND
Cream Tape	ND
White Joint Compound	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Moderate

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Client: McGinley and Associates
C/O: Aurelia Walsh
Re: BRN071; BRN071

Date of Submittal: 03-15-2021
Date of Receipt: 03-15-2021
Date of Report: 03-18-2021

ASBESTOS PLM REPORT**Location: BRN071-AB-013, 1 Sunshine, Bathroom-Floor, VSF w/ Concrete (Wood)**

Lab ID-Version‡: 12396204-1

Sample Layers	Asbestos Content
Brown Sheet Flooring	ND
Gray Concrete	ND
Composite Non-Asbestos Content:	< 1% Glass Fibers
Sample Composite Homogeneity:	Good

Location: BRN071-AB-014, 1 Sunshine, Bathroom-Floor, VSF w/ Concrete (Wood)

Lab ID-Version‡: 12396205-1

Sample Layers	Asbestos Content
Brown Sheet Flooring	ND
Composite Non-Asbestos Content:	< 1% Glass Fibers
Sample Composite Homogeneity:	Good

Location: BRN071-AB-015, 1 Sunshine, Garage-Floor, Concrete (Gray)

Lab ID-Version‡: 12396206-1

Sample Layers	Asbestos Content
Gray Concrete	ND
Sample Composite Homogeneity:	Good

Location: BRN071-AB-016, 1 Sunshine, Garage-Wall, Text. DW (White)

Lab ID-Version‡: 12396207-1

Sample Layers	Asbestos Content
White Texture with Paint	ND
White Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Moderate

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Client: McGinley and Associates
C/O: Aurelia Walsh
Re: BRN071; BRN071Date of Submittal: 03-15-2021
Date of Receipt: 03-15-2021
Date of Report: 03-18-2021**ASBESTOS PLM REPORT****Location: BRN071-AB-017, 1 Sunshine-Ext., Roof, Asphaltic Roofing w/ Mastic (Black)**

Lab ID-Version‡: 12396208-1

Sample Layers	Asbestos Content
Black Roofing Shingle with Pebbles	ND
Black Mastic	ND
Composite Non-Asbestos Content:	10% Glass Fibers
Sample Composite Homogeneity:	Good

Location: BRN071-AB-018, 1 Sunshine-Ext., Roof, Asphaltic Roofing w/ Mastic (Black)

Lab ID-Version‡: 12396209-1

Sample Layers	Asbestos Content
Black Roofing Shingle with Pebbles	ND
Black Mastic	ND
Composite Non-Asbestos Content:	10% Glass Fibers
Sample Composite Homogeneity:	Good

Location: BRN071-AB-019, 1 Sunshine, Office-Ceiling, ACT (White)

Lab ID-Version‡: 12396210-1

Sample Layers	Asbestos Content
White Ceiling Texture with Paint	ND
Cream Tape	ND
White Joint Compound	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Moderate

Location: BRN071-AB-020, 1 Sunshine, Office-Floor, VFT w/ Concrete (Brown/Grey)

Lab ID-Version‡: 12396211-1

Sample Layers	Asbestos Content
Brown Sheet Flooring	ND
Transparent Adhesive	ND
Gray Concrete	ND
Sample Composite Homogeneity:	Good

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Client: McGinley and Associates
C/O: Aurelia Walsh
Re: BRN071; BRN071Date of Submittal: 03-15-2021
Date of Receipt: 03-15-2021
Date of Report: 03-18-2021**ASBESTOS PLM REPORT****Location: BRN071-AB-021, 1 Sunshine, Office-Floor, VFT w/ Concrete (Brown/Grey)**

Lab ID-Version‡: 12396212-1

Sample Layers	Asbestos Content
Brown Sheet Flooring	ND
Transparent Adhesive	ND
Gray Concrete	ND
Sample Composite Homogeneity: Good	

Location: BRN071-AB-022, 1 Sunshine-2nd Floor, Storage-Wall, DW w/ JC (White)

Lab ID-Version‡: 12396213-1

Sample Layers	Asbestos Content
Cream Tape	ND
White Joint Compound	ND
White Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity: Good	

Location: BRN071-AB-023, 1 Sunshine-2nd Floor, Storage-Wall, DW w/ JC (White)

Lab ID-Version‡: 12396214-1

Sample Layers	Asbestos Content
Cream Tape	ND
White Joint Compound	ND
White Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity: Good	

Location: BRN071-AB-024, 1 Sunshine-2nd Floor, Office-Floor, Carpet (Red)

Lab ID-Version‡: 12396215-1

Sample Layers	Asbestos Content
Red Carpet	ND
Yellow Mastic	ND
Tan Fibrous Material	ND
Composite Non-Asbestos Content:	75% Synthetic Fibers 10% Cellulose < 1% Glass Fibers
Sample Composite Homogeneity: Good	

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Green Valley Parkway, Suite 200
Henderson, NV 89074
(702) 260-4961

ASBESTOS BULK SAMPLE DATA SHEET

Sample ID	Building/Unit	Sample Location	Sample Description	Quant	Lab: EMLab	Analysis: Asbestos Bulk PLM	TAT: Standard	Lab Notes:
BRN071-AB-001	55 Sunshine	Breakroom - Wall	Text DW (White)	1	Y			
BRN071-AB-002	55 Sunshine	Breakroom - Ceiling	Text DW (White)	1	Y			
BRN071-AB-003	55 Sunshine	Breakroom - Wall	Text DW w/ Wallpaper (Pink/White)	1	Y			
BRN071-AB-004	55 Sunshine	Breakroom - Floor	VSF (Floor)	1	Y			
BRN071-AB-005	55 Sunshine	Breakroom - Floor	VSF (Floor)	1	Y			
BRN071-AB-006	55 Sunshine	Storage - Floor	Wood w/ Mastic (Brown/Black)	1	Y			
BRN071-AB-007	55 Sunshine	Storage - Floor	Sealant (White)	1	Y			
BRN071-AB-008	55 Sunshine	Storage - Floor	Sealant (White)	1	Y			
BRN071-AB-009	55 Sunshine	Storage - Floor	Asphaltic Roofing w/ Mastic (Black)	1	Y			
BRN071-AB-010	55 Sunshine	Door - Frame	Asphaltic Roofing w/ Mastic (Black)	1	Y			
BRN071-AB-011	55 Sunshine	Window	Sealant (White)	1	Y			
BRN071-AB-012	55 Sunshine	Roof	ACT w/ DW (White)	1	Y			
BRN071-AB-013	55 Sunshine	Roof	VSF w/ Concrete (Wood)	1	Y			
BRN071-AB-014	55 Sunshine	Garage - Window	VSF w/ Mastic (Wood)	1	Y			
BRN071-AB-015	55 Sunshine	Garage - Ceiling	Concrete (Grey)	1	Y			
BRN071-AB-016	55 Sunshine	Bathroom - Floor	Text DW (White)	1	Y			
BRN071-AB-017	55 Sunshine	Bathroom - Floor	Asphaltic Roofing w/ Mastic (Black)	1	Y			
BRN071-AB-018	55 Sunshine	Bathroom - Floor	Asphaltic Roofing w/ Mastic (Black)	1	Y			
BRN071-AB-019	55 Sunshine	Garage - Floor	Sealant (White)	1	Y			
BRN071-AB-020	55 Sunshine	Garage - Wall	ACT w/ DW (White)	1	Y			
BRN071-AB-021	55 Sunshine	Roof	VSF w/ Concrete (Wood)	1	Y			
BRN071-AB-022	55 Sunshine	Roof	VSF w/ Mastic (Wood)	1	Y			
BRN071-AB-023	55 Sunshine	Office - Ceiling	Concrete (Grey)	1	Y			
BRN071-AB-024	55 Sunshine	Office - Floor	Text DW (White)	1	Y			
BRN071-AB-025	55 Sunshine	Office - Floor	Asphaltic Roofing w/ Mastic (Black)	1	Y			
BRN071-AB-026	55 Sunshine	Storage - Wall	Asphaltic Roofing w/ Mastic (Black)	1	Y			
BRN071-AB-027	55 Sunshine	Storage - Wall	ACT (White)	1	Y			
BRN071-AB-028	55 Sunshine	Office - Floor	VFT w/ Concrete (Brown/Grey)	1	Y			
BRN071-AB-029	55 Sunshine	Office - Floor	VFT w/ Concrete (Brown/Grey)	1	Y			
BRN071-AB-030	55 Sunshine	Office - Floor	DW w/ IC (White)	1	Y			
BRN071-AB-031	55 Sunshine	Office - Floor	DW w/ IC (White)	1	Y			
BRN071-AB-032	55 Sunshine	Office - Floor	Carpet (Red)	1	Y			

Relinquished By: *[Signature]*

Date/Time: 3/12/21 4:00 PM

Received By: *[Signature]*

Date/Time: 3/12/21 8:24

Report for:

Aurelia Walsh
McGinley and Associates
815 Maestro Drive
Reno, NV 89511

Regarding: Project: BRN071
EML ID: 2596925

Approved by:



Laboratory Manager
Danny Li

Dates of Analysis:
Lead - Flame AA: 03-16-2021

Service SOPs: Lead - Flame AA (EM-BC-S-8443)
AIHA-LAP, LLC accredited service, Lab ID #178697

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank correction of results is not applied. The results relate only to the samples as received and tested. Sample size, as it relates to Wipe samples only, is supplied by the client.

Eurofins EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Eurofins EMLab P&K's LabServe® reporting system includes automated fail-safes to ensure that all AIHA-LAP, LLC quality requirements are met and notifications are added to reports when any quality steps remain pending.

Client: McGinley and Associates
C/O: Aurelia Walsh
Re: BRN071Date of Submittal: 03-12-2021
Date of Receipt: 03-15-2021
Date of Report: 03-17-2021**LEAD: FLAME ATOMIC ABSORPTION SPECTROMETRY**

Location:	BRN071-AB-001: 55 Sunshine - Ext., South Wall, Blue Paint on Wood Shingle	BRN071-AB-002: 55 Sunshine - Ext., West Overhang, White Paint on Wood	BRN071-AB-003: 1 Sunshine - Ext., Garage Wall, Cream Paint on Wood
Comments (see below)	None	None	None
Lab ID-Version‡:	12395300-1	12395301-1	12395302-1
Analysis Date:	03/16/2021	03/16/2021	03/16/2021
Sample type	Paint Chip sample	Paint Chip sample	Paint Chip sample
Method*	NIOSH 7082 & EPA 7000B modified	NIOSH 7082 & EPA 7000B modified	NIOSH 7082 & EPA 7000B modified
† Method Reporting Limit	40 ppm	39 ppm	38 ppm
Sample size	0.2529 grams	0.2597 grams	0.2603 grams
§ Total Lead Result	< 40 ppm	< 39 ppm	< 38 ppm

Comments:

Sample results have not been corrected for blank values.

Bulk samples are not covered under the AIHA-LAP, LLC service accreditation.

Wipe samples must meet ASTM E1792 criteria. Method Reporting Limits may not be valid for non-ASTM E1792 wipe samples.

*Sample preparation and analytical methods are based upon NIOSH 7082 and EPA 7000B.

† The Method Reporting Limit is the minimum concentration of Lead that the laboratory can confidently detect in the sample.

§ Total Lead Result has been rounded to two significant figures to reflect analytical precision.

‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

LEAD-BASED PAINT BULK SAMPLE DATA SHEET

[illegible]

APPENDIX C

Laboratory Certifications and Accreditations

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 500056-0

Eurofins EMLab P&K

Henderson, NV

*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 17025:2017.
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).*

2020-07-01 through 2021-06-30

Effective Dates



A handwritten signature in blue ink, appearing to read "Peter S. Lander".

For the National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

Eurofins EMLab P&K

6100 Mountain Vista

Suite #160

Henderson, NV 89014

Ms. Urooj Sagheer

Phone: 281-940-2576

Email: usagheer@emlabpk.com

<http://www.emlab.com>

ASBESTOS FIBER ANALYSIS

NVLAP LAB CODE 500056-0

Bulk Asbestos Analysis

Code

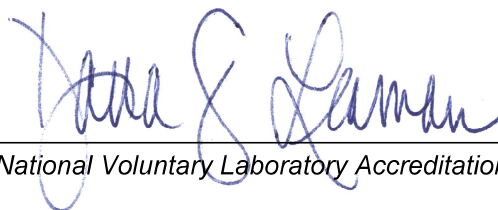
Description

18/A01

EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of 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



For the National Voluntary Laboratory Accreditation Program



AIHA Laboratory Accreditation Programs, LLC

acknowledges that

Eurofins EMLab P&K

17461 Derian Ave. Suite 100, Irvine, CA 92614

Laboratory ID: 178697

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 17025:2017 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: September 01, 2021

Accreditation Expires: September 01, 2021

Accreditation Expires: September 01, 2021

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 17025:2017 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.

Elizabeth Bair
Chairperson, Analytical Accreditation Board

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



AIHA Laboratory Accreditation Programs, LLC

SCOPE OF ACCREDITATION

Eurofins EMLab P&K

17461 Derian Ave. Suite 100, Irvine, CA 92614

Laboratory ID: **178697**

Issue Date: 08/21/2019

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: 06/01/2011

IHLAP Scope Category	Field of Testing (FoT) (FoTs cover all relevant IH matrices)	Technology sub-type/ Detector	Published Reference Method/Title of In-house Method	Method Description or Analyte <i>(for internal methods only)</i>
Asbestos/Fiber Microscopy Core	Phase Contrast Microscopy (PCM)		NIOSH 7400	

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

SCOPE OF ACCREDITATION

Eurofins EMLab P&K

17461 Derian Ave. Suite 100, Irvine, CA 92614

Laboratory ID: **178697**

Issue Date: 08/21/2019

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Environmental Microbiology Laboratory Accreditation Program (EMLAP)

Initial Accreditation Date: 07/01/2005

EMLAP Category	Field of Testing (FoT)	Method	Method Description <i>(for internal methods only)</i>
Fungal	Air - Direct Examination	EM-MY-S-1038	Preparation and Analysis of Spore Trap (Air) Samples for Fungal Spores, Other Biological and Non-Biological Particles
	Bulk - Direct Examination	EM-MY-S-1039	Preparation and Analysis of Tape, Swab, Wipe, Bulk and Dust - Soil Samples for Qualitative Direct Microscopic Examination
	Surface - Direct Examination	EM-MY-S-1041	Preparation and Analysis of Tape, Swab, Wipe, Bulk, and Dust - Soil Samples for Quantitative Direct Microscopic Examination
Bacterial	Legionella	EM-BT-S-1045	Enumeration of Legionella. International Standard ISO 11731:2017
		EM-BT-S-1687	CDC Laboratory protocol 2016

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



AIHA Laboratory Accreditation Programs, LLC

SCOPE OF ACCREDITATION

Eurofins EMLab P&K

17461 Derian Ave. Suite 100, Irvine, CA 92614

Laboratory ID: **178697**

Issue Date: 08/21/2019

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 and composited wipes analyses are not included as part of the NLLAP.

Environmental Lead Laboratory Accreditation Program (ELLAP)

Initial Accreditation Date: 03/01/2017

Field of Testing (FoT)	Technology sub-type/ Detector	Method	Method Description (for internal methods only)
Paint		EPA SW-846 7000B Modified	
		NIOSH 7082	
Settled Dust by Wipe		EPA SW-846 7000B Modified	
		NIOSH 7082	

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