3932 LA CRUZ COURT
LAS VEGAS, NEVADA

REGULATED MATERIAL SURVEY REPORT

INSPECTION AND SURVEY FOR PRESENCE OF ASBESTOS, LEAD-BASED PAINTS, AND REGULATED MATERIALS
NOVEMBER 2021

NDOT Hazardous Materials Section, Environmental Division
1263 South Stewart Drive
Carson City, NV 89712

EXECUTIVE SUMMARY

The inspection for hazardous materials was conducted at 3932 La Cruz Court, Las Vegas, Clark County, Nevada on November 19, 2021, by Nevada Department of Transportation (NDOT) personnel from the Hazardous Materials section, of the Environmental Division. The structure(s) was/were evaluated for the presence of asbestos containing materials (ACM), lead-based paint (LBP) coatings, and materials that would require special handling and or disposal considerations in accordance with applicable federal, state, and local regulations.

Suspected ACMs identified and sampled as part of this survey include the following:

- Non-Surfaced Drywall
- Surfaced Drywall
- Surfacing (skim coat)
- Surfacing (orange peel texture)
- Roofing Felt
- Roof Flashing Sealant/Mastic
- Composite Roofing Shingles
- Spray-on Acoustical Ceiling Material
- Thermal System Insulation Materials
- Coating Wood Panel Adhesive Material
- Faux Brick and Grout Compound
- Rose Marble Wall Tile Thin Set
- Rose Marble Floor Tile Mortar
- 12” x 12” Floor Tile, brown/tan patterned
- 9” x 9” Floor Tile, off-white mosaic
- 12” x 12” Floor Tile, brown wood-grained patterned
- Floor Tile, red brick pattern
- Sheet Vinyl Flooring, red geometric patterned
- Sheet Vinyl Flooring, tan
- Flooring Mastics

A total of 43 bulk samples were collected from the above homogenous use suspect building materials. Unless otherwise noted, samples were analyzed using Phase Light Microscopy.

The following materials were found to contain asbestos in quantities of greater than one percent (>1%) and considered ACMs.

- Surfacing (orange peel texture)
- Spray-on Acoustical Ceiling Material
- 12” x 12” Floor Tile, brown/tan patterned
- Sheet Vinyl Flooring, red geometric patterned

Destabilized paint coating was sampled and analyzed for lead. One sample was collected from 150 square feet of brown friable coating material located on the front pergola and housing fascia trim. The sample contained lead at 130 parts per million (ppm) and is not considered a LBP. Consequently, no stabilization or removal of paint coatings is required prior to demolition activities.

Additional regulated materials that were identified and will require removal and appropriate disposal/recycling prior to demolition activities are as follows:

- 1 Air Conditioning Unit
- 5 Fluorescent Lamps
- 3 Fluorescent Lamp Ballast
- 6 Compact Fluorescent Light (CFL) Bulbs

1.0 INTRODUCTION

On November 19, the Nevada Department of Transportation (NDOT) conducted a visual and sampling survey (survey) at the structure(s) located at 3932 La Cruz Court located in Las Vegas, Clark County, Nevada (the Property). The demolition survey is necessary to identify the presence of suspect asbestos containing materials (ACMs), lead-based paint (LBP) coatings, and regulated materials that would require special handling and/or disposal in accordance with applicable federal, state, and local regulations.

Bulk asbestos samples were analyzed by a National Voluntary Laboratory Accredited laboratory by polarized light microscopy (PLM). Lead analysis, was conducted by a Nevada Certified Lab. The results of the respective laboratory analysis are attached as Appendix B and Appendix C.

2.0 PROPERTY DESCRIPTION

The Property was constructed in 1970 and consists of 1,744 square foot slab-on-grade, wood-paneled sheathed, wood-framed residential structure. The structure can be further broken down into the main residence structure, one primary addition, and two attached storage additions with unknown dates construction. The structures in their entirety, are roofed in tar paper covered by composition shingles.

3.0 REGULATORY OVERVIEW

3.1 Asbestos Regulations

National Emission Standard for Hazardous Air Pollutants (NESHAP), 40 CFR Part 61 Subpart M, regulates asbestos fiber emissions and asbestos waste disposal practices. It also requires the identification and classification of existing building materials prior to demolition or renovation activity. Under NESHAP, asbestos-containing building materials are classified as either friable, Category I non-friable, or Category II non- friable ACM. Category I non-friable ACM includes packings, gaskets, resilient floor coverings and asphalt roofing products containing more than one percent asbestos. Category II non-friable ACM are any materials other than Category I materials that contain more than one percent asbestos.

Friable ACM, Category I and Category II non-friable ACM which are in poor condition and have become friable or which will be subjected to drilling, sanding, grinding, cutting, or abrading and which could be crushed or pulverized during demolition activities are considered Regulated ACM (RACM).

3.2 Lead Based Paint Regulations

Lead-based paint is defined as a surface coating or paint containing lead more than 0.5% (5000 mg/Kg) by weight, the Environmental Protection Agency (EPA) Toxic Substance Control Act, Section 401. Additionally, worker exposure to lead containing materials, regardless of LBP determinations, that maybe disturbed during construction activities, is regulated by the Occupation Safety and Health Administration (OSHA), 29CFR 1926.62(a), and may require worker protection during causative activities.

4.0 ASBESTOS FIELD ACTIVITIES

The survey was conducted by NDOT personnel, appropriately licensed Asbestos and Hazardous Emergency Response Act (AHERA) accredited asbestos inspectors. The survey was conducted

in general accordance with the sample collection protocols established in EPA regulation 40 CFR 763. A summary of the survey activities performed is discussed below. Copies of AHERA certifications and licenses for NDOT personnel conducting the survey are provided as Appendix D.

4.1 Visual and Physical Assessment

Survey activities began with a visual observation of the Property structures to identify homogeneous areas of suspect ACM. Homogeneous areas refer to areas in which similar application, age, and appearance of building materials exist.

A physical assessment of each homogeneous area of suspect ACM were conducted to assess the friability and condition of the materials. The homogeneous areas identified during the visual survey, the presence of coating materials, and sample identifiers are summarized in Table 1.

4.2 Sample Collection and Analysis

Based on results of the visual observation, bulk samples of suspect ACM were collected in general accordance with AHERA sampling protocols. Representative samples of suspect materials were collected in each homogeneous area. Samples were placed in new sealable containers and labeled with unique sample numbers.

Bulk samples of ACM were submitted under chain of custody to Asbestos TEM Laboratories for analysis by PLM. The percentage of asbestos, where applicable, was determined by microscopic visual estimation. Homogeneous areas sampled and their results are summarized in Table 1. A sample Location Map is included in Appendix A. Asbestos analytical results in their entirety are included in Appendix B.

Table 1 – Suspected Asbestos Containing Materials Sampling Results

Sample No.	Homogeneous Area [1]	Location of Material	Asbestos Content [2], % Type	Condition (G / D)	Quantity Estimate	EPA Category, friability
1-RT, Split A	Composite roof shingle	Roofing, entire structure.	ND	G	NA	NA
1-RT, Split B	Roofing felt	Roofing, entire structure	ND	G	NA	NA
2-RM	Roof flashing mastic/sealant	Sealant/mastic on all roofing penetrations.	ND	G	NA	NA
3-SA, 4-SA, 5-SA, 6-SA, 7-SA, 8-SA	**Sprayed-on acoustical ceiling material**	**All bedrooms, laundry room, and storage addition area ceilings.**	**5-10 % Chrysotile**	**G**	**680 SF**	**RACM, friable**
9-TSI, Split A	“Silver wrapping” fiberglass ducting	Silver wrapped ductwork in main residence attic.	ND	G	NA	NA
9-TSI, Split B	“Yellow fiberglass” fiberglass ducting	Silver wrapped ductwork in main residence attic.	ND	G	NA	NA
10-TSI, Split A	“Brown paper backing” sheet fiberglass	Paper-backed, pink insultation in main residence attic.	ND	G	NA	NA
10-TSI, Split B	“Pink fiberglass” sheet fiberglass	Paper-backed, pink insultation in main residence attic.	ND	G	NA	NA
11-TSI, Split A	“Black paper backing” sheet fiberglass	Paper-backed, pink insultation in main residence walls.	ND	G	NA	NA

Sample No.	Homogeneous Area (1)	Location of Material	Asbestos Content (2), % Type	Condition (G / D)	Quantity Estimate	EPA Category, friability
11-TSI, Split B	"Pink fiberglass" sheet fiberglass	Paper-backed, pink insultation main residence walls.	ND	G	NA	NA
12-TSI	Silver wrapped pink fiberglass ducting	Rigid silver wrapped ductwork main residence attic (intake).	ND	G	NA	NA
13-TSI, Split A	"Tan paper backing" sheet fiberglass	Paper-backed, yellow insultation in walls of addition structure.	ND	G	NA	NA
13-TSI, Split B	"Yellow fiberglass" sheet fiberglass	Paper-backed, yellow insultation in walls of addition structure.	ND	G	NA	NA
14-TSI, Split A	"Tan paper backing" sheet fiberglass	Paper-backed, yellow insultation addition structure attic.	ND	G	NA	NA
14-TSI, Split B	"Yellow fiberglass" sheet fiberglass	Paper-backed, yellow insultation addition structure attic.	ND	G	NA	NA
15-TSI	Pink fiberglass ducting	Uncoated pink fiberglass ductwork addition structure attic.	ND	G	NA	NA
16-TSI	Black plastic wrapped yellow fiberglass ducting	Black plastic wrapped pink fiberglass ductwork addition structure attic.	ND	G	NA	NA
17-DW, 18-DW, 19-DW	Drywall	Non-textured drywall in all bedrooms and master bathroom in main residence.	ND	G	NA	NA
20-C	Coating adhesive material behind wood paneling	Wood paneled walls in master bathroom.	ND	G	NA	NA
[3]21-DW, 22-DW, 23-DW, Split A's	**Orange peel texture**	**Orange peel textured walls and ceilings throughout the main residence.**	**1-5% Chrysotile**	**G**	**1,225 SF[3]**	**RACM, friable**
21-DW, 22-DW, 23-DW, Split B's	Drywall	Orange peel textured walls and ceilings throughout the main residence.	ND	G	NA	NA
[3]24-DW, 25-DW, Split A's	Orange peel texture	Orange peel textured walls and ceilings throughout the main residence.	ND	G	590 SF[3]	RACM, friable
24-DW, 25-DW, Split B's	Drywall	Orange peel textured walls and ceilings throughout the main residence.	ND	G	NA	NA
26-DW, 27-DW, 28-DW, Split A's	Skim coat	Smooth coated water-resistant drywall, guest bathroom.	ND	G	NA	NA
26-DW, 27-DW, 28-DW, Split B's	Water-resistant drywall	Smooth coated water-resistant drywall, guest bathroom.	ND	G	NA	NA

Sample No.	Homogeneous Area (1)	Location of Material	Asbestos Content (2), % Type	Condition (G / D)	Quantity Estimate	EPA Category, friability
29-DW, 30-DW, 31-DW	Uncoated drywall	Storage room in main residence.	ND	G	NA	NA
32-DW, 33-DW, 34-DW, Split A's	Orange peel texture	Orange peel textured walls and ceilings throughout addition structure.	ND	G	NA	NA
32-DW, 33-DW, 34-DW, Split B's	Drywall	Orange peeled textured walls and ceilings throughout addition structure.	ND	G	NA	NA
35-W, Split A	Red faux brick	Red faux brick and grout, north kitchen wall and archway.	ND	G	NA	NA
35-W, Split B	Red faux brick grout	Red faux brick and grout, north kitchen wall and archway.	ND	G	NA	NA
36-W, Split A	Rose marble tile, cream grout	Rose marble tile trim, entryway wall.	ND	G	NA	NA
36-W, Split B	Rose marble tile, grey thin set	Rose marble tile trim, entryway wall.	ND	G	NA	NA
37-FT	**12" x 12" brown/tan flower pattern floor tile**	**Flooring in master bathroom, hallway closet, and laundry room.**	**20-30% Chrysotile**	**G**	**34 SF**	**Cat I, non-friable**
38-M	Marble rose tile flooring mortar	Rose marble floor tile in living room of main residence.	ND	G	NA	NA
39-FT, Split A	9" x 9" off-white floor tile	Flooring tile in storage room of main residence.	ND	G	NA	NA
39-FT, Split B	9" x 9" off-white floor tile yellow mastic	Flooring tile in storage room of main residence.	ND	G	NA	NA
40-SV	**Red geometric patterned sheet vinyl flooring**	**Kitchen floor, center of east wall.**	**20-30% Chrysotile**	**G**	**6 SF**	**Cat I, non-friable**
41-SV	Red brick patterned floor tile	Kitchen floor, center of east wall.	ND	G	NA	NA
42-SV, Split A	Tan sheet vinyl flooring	Storage room flooring in addition structure.	ND	G	NA	NA
42-SV, Split B	Tan sheet vinyl flooring yellow/black mastic	Storage room flooring in addition structure.	ND	G	NA	NA
43-FT	12" x 12" brown wood grained patterned floor tile	Guest bedroom flooring in addition structure.	ND	G	NA	NA

notes: (1) Split samples are inhomogeneous materials as identified by the analyzing lab under magnification

(2) PLM analysis unless otherwise noted

(3) Homogeneous area and require abatement as friable RACM

Materials in Bold are identified as asbestos containing material (ACM)

ND = Not detected

G/D = Good/Damaged

NA = Not applicable

RACM = Regulated Asbestos Containing Material

SF = Square feet

4.3 Asbestos Findings and Recommendations

State and Federal standards define an ACM as "any material containing asbestos in excess of one percent by weight." Federal OSHA regulates worker exposure to airborne asbestos fibers with Permissible Exposure Limits (PELs) and requires specific work practices and procedures per 29 CFR1926.1101, when disturbing ACMs. It recommended that ACMs requiring removal, be removed by a Nevada licensed abatement contractor using appropriately trained and license asbestos trained workers prior to demolitions. Furthermore, NDOT recommends all asbestos abatement activities be monitored by a NV-OSHA certified third party consultant to document regulatory compliance to include but not limited to final air clearance after abatement activities.

Regulated ACMs are required to be abated prior to demolition activities that will impact or disturb the ACMs. The following RACMs in Table 2 will require abatement prior to demolition activities.

Table 2 – Regulated Asbestos Containing Materials Requiring Abatement Prior to Demolition

Homogeneous Area	Location	Quantity	Asbestos Content [(1)], % Type
Sprayed-on acoustical ceiling material	All ceilings in bedrooms, laundry room, and storage area in addition.	680 SF	5-10% Chrysotile
Orange peel texturing	Orange peel textured walls and ceilings throughout the main residence.	1,815 SF	1-5% Chrysotile

notes: (1) PLM analysis unless otherwise noted
SF = Square feet

ACMs that can be left in place throughout the demolition process provided that no demolition activity (e.g., grinding, abrading) will result in friability of ACMs are presented in Table 3. However, these ACMs are to be excluded from any recycling processes.

Table 3 – Asbestos Containing Materials to be Left in Place

Homogeneous Area	Location	Quantity	Asbestos Content [(1)], % Type
12" x 12" brown/tan flower pattern floor tile	Flooring in master bathroom, hallway closet, and laundry room.	34 SF	20-30% Chrysotile
Red geometric patterned sheet vinyl flooring	Kitchen floor, center of east wall.	6 SF	20-30% Chrysotile

notes: (1) PLM analysis unless otherwise noted
SF = Square feet

Additional suspect materials, other than those identified during the survey, could exist within the structures in areas not accessible to the inspector at the time of the survey. Should suspect materials other than those identified during this survey be uncovered during the renovation/demolition process, those materials should be assumed to be ACM until sampling and analysis can confirm or refute this assumption. Asbestos determinations for any materials that are chosen to be recycled and not sampled as part of this survey are the responsibility of the contractor, subcontractor, or recycler as appropriate.

5.0 LEAD-BASED PAINT FIELD ACTIVITIES

NDOT personnel assessed the condition of paint coated surfaces of the Property as part asbestos homogeneous area identification. Painted surfaces that were observed to be in fair and or poor

condition, as defined by Chapter 5 of Housing and Urban Development (HUD) guidelines, were sampled. These specific guidelines are summarized as follows in Table 4.

Table 4 – HUD Condition Determination of Lead Based Paints

Types of Building Component	Total Area of Degraded Paint		
	Intact	Fair	Poor
Exterior components with large surface areas.	Entire surface is intact.	≤ 10 square feet.	> 10 square feet.
Interior components with large surface areas (ceilings, floors, doors, walls).	Entire surface is intact.	≤ 2 square feet.	> 2 square feet.
Interior and exterior components with small surface areas (windowsills, trim, soffits, baseboards).	Entire surface is intact.	≤ 10 percent of the total surface area of the component.	> 10 percent of the total surface area of the component.

5.1 Sample Collection and Analysis

Paint samples were collected from the Property by removing paint chips using hand tools to obtain representative samples. Samples were placed in new sealable containers and labeled with unique sample numbers. Paint chip samples were submitted under chain of custody to Alpha Analytical Laboratories for analysis by EPA test method 6020.

5.2 Lead Based Paints Findings and Recommendations

One component was identified as poor condition and were sampled to determine if they are considered LBPs. The composite sample was analyzed for total lead. Based on the EPA's definition of LBP, the coating material is not a LBP. Analytical results are included in Appendix C and laboratory results are summarized in Table 5.

Table 5 – Non-Intact Lead Based Paint Determinations

Sample No.	Sample Location	Paint Color	Paint Condition	Est. Quantity, square feet	Lead Content, ppm (%)
Brown Paint	Exterior house fascia and entryway pergola	Brown	Poor	150	130 (0.013%)

notes: Materials in **Bold** determined to be LBP requiring encapsulation/stabilization or removal prior to disturbing.
ppm = parts per million

No stabilization or removal of coating materials is required prior to demolition activities.

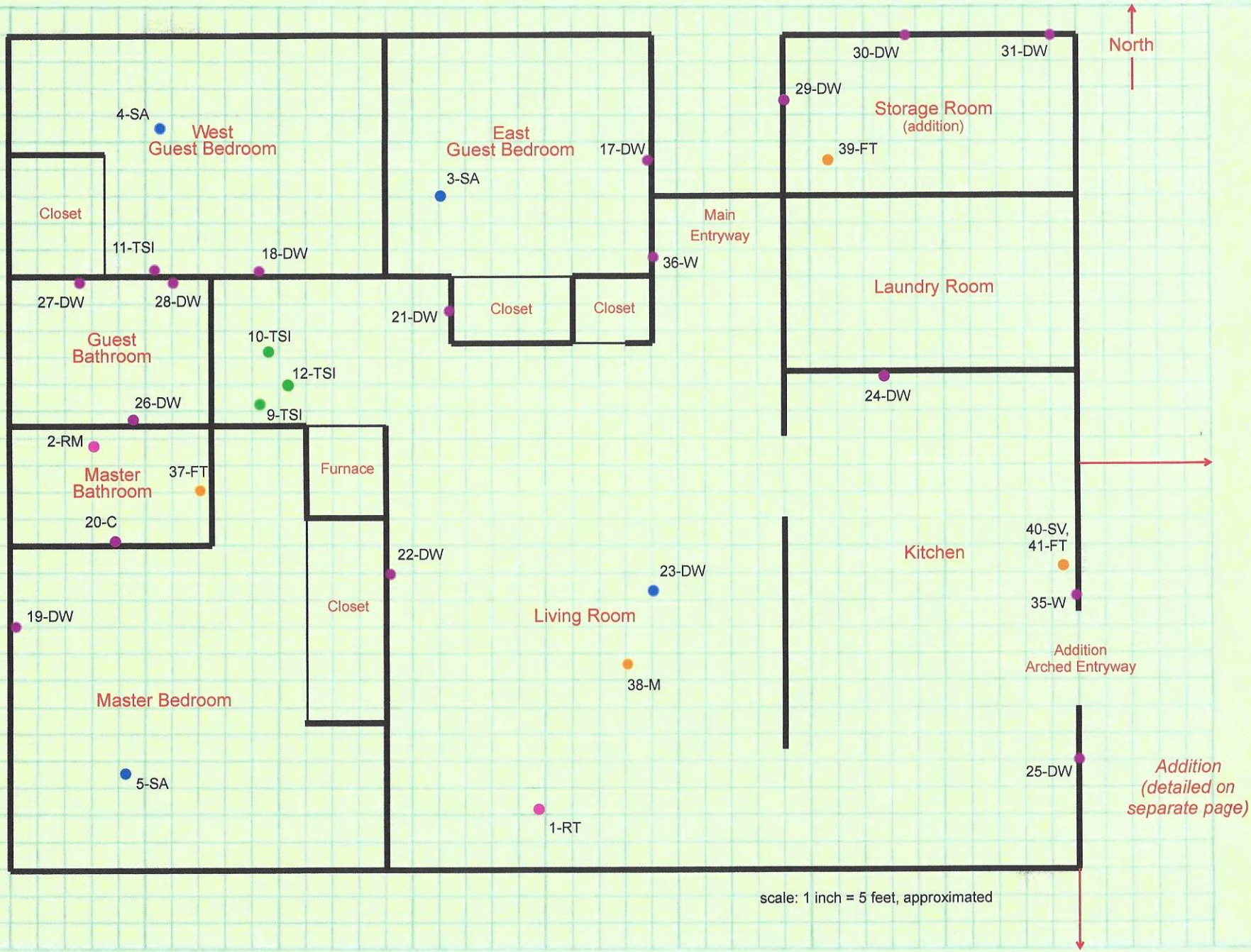
6.0 Regulated Material Findings

Regulated materials, to include universal wastes, that were identified and will require removal and appropriate disposal/recycling prior to demolition activities are as follows:

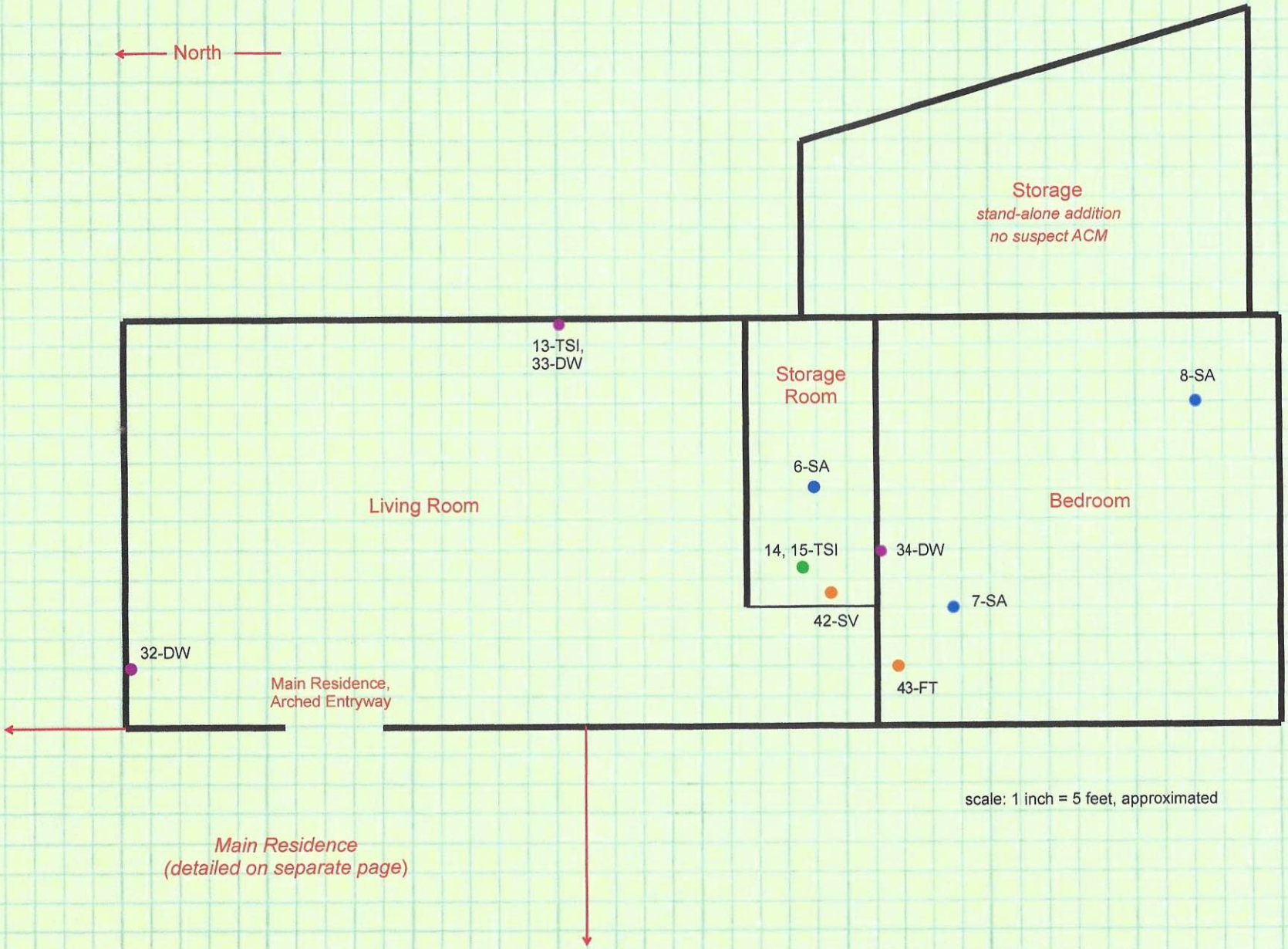
- 1 Air Conditioning Unit
- 5 Fluorescent Lamps
- 3 Fluorescent Lamp Ballast
- 6 Compact Fluorescent Light (CFL) Bulbs

Appendix A
Sample Location Maps

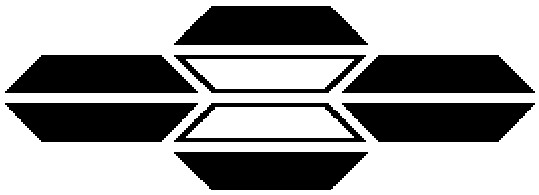
Main Residence
Sample Locatons
3932 La Cruz Court
Las Vegas, Nevada



Addition Sample Locatons
3932 La Cruz Court
Las Vegas, Nevada



Appendix B
Bulk Asbestos Samples Results



ASBESTOS TEM LABORATORIES, INC.

EPA Method 600/R-93/116
Polarized Light Microscopy
Analytical Report

Report No. 146055

1350 Freeport Blvd., Unit 104
Sparks, NV 89431
(775) 359-3377
FAX (775) 359-2798

Main Office Located At:
3431 Ettie Street Oakland, CA 94608
Ph. (510) 704-8930 Fax (510) 704-8929

ASBESTOS TEM LABORATORIES, INC

NVLAP Lab Code 200104-0

Nov-23-21

Mr. R. Piekarz
Nevada Department of Transportation
1263 South Stewart Street
Carson City, NV 89712

RE: LABORATORY JOB Nc
Polarized light microscopy analytical results for 10 bulk sample(s) with 3 sample split(s)
Job Site: 3932 La Cruz
Job No.: 61010
Report No.: 146055

Enclosed please find the bulk material analytical results for one or more samples submitted for asbestos analysis. The analyses were performed in accordance with EPA Method 600/R-93/116 or 600/M4-82-020 for the determination of asbestos in bulk building materials by polarized light microscopy (PLM). Please note that while PLM analysis is commonly performed on non-friable and fine grained materials such as floor tiles and dust, the EPA method recognizes that PLM is subject to limitations. In these situations, accurate results may only be obtainable through the use of more sophisticated and accurate techniques such as transmission electron microscopy (TEM) or X-ray diffraction (XRD).

Prior to analysis, samples are logged-in and all data pertinent to the sample recorded. The samples are checked for damage or disruption of any chain-of-custody seals. A unique laboratory ID number is assigned to each sample. A hard copy log-in sheet containing all pertinent information concerning the sample is generated. This and all other relevant paper work are kept with the sample throughout the analytical procedures to assure proper analysis.

Each sample is opened in a class 100 HEPA negative air hood. A representative sampling of the material is selected and placed onto a glass microscope slide containing a drop of refractive index oil. The glass slide is placed under a polarizing light microscope where standard mineralogical techniques are used to analyze and quantify the various materials present, including asbestos. The data is then compiled into standard report format and subjected to a thorough quality assurance check before the information is released to the client.

Please note all samples will be held for 3 months from the date of receipt unless otherwise requested by client.

Sincerely Yours,

Laboratory Analyst
ASBESTOS TEM LABORATORIES, INC.

NVLAP Lab Code 200104-0

POLARIZED LIGHT MICROSCOPY ANALYTICAL REPORT

EPA Method 600/R-93/116 or 600/M4-82-020

Contact: Mr. R. Piekarz

Address: Nevada Department of
1263 South Stewart Street
Carson City, NV 89712

Samples Indicated: 10
Reg. Samples Analyzed: 10
Split Layers Analyzed: 3

Job Site / No. 3932 La Cruz
61010

Report No. **146055**
Date Submitted: Nov-19-21
Date Reported: Nov-23-21

SAMPLE ID	ASBESTOS %	ASBESTOS TYPE	OTHER DATA (1) Non-Asbestos Fibers (2) Matrix Materials (3) Date/Time Collected (4) Date Analyzed	DESCRIPTION FIELD / LAB
1-RT. Split A Lab ID # 9092-00071-001A		**None Detected**	1) 30-40% Fiberglass 2) 60-70% Tar, Qtz, Other m.p. 3) 4) Nov-23-21	Roof (comp) & roof tar paper, south roof, roof Roofing-Black/Brown
1-RT. Split B Lab ID # 9092-00071-001B		**None Detected**	1) 60-70% Cellulose 2) 30-40% Tar, Other m.p. 3) 4) Nov-23-21	Roof (comp) & roof tar paper, south roof, roof Roofing Felt-Black
2-RM. Lab ID # 9092-00071-002		**None Detected**	1) 5-10% Cellulose 2) 90-95% Tar, Other m.p. 3) 4) Nov-23-21	Roof pent Mastic, W Most roof pent, roof Roofing Mastic-Black
3-SA. Lab ID # 9092-00071-003	**5-10%**	**Chrysotile**	1) None Detected 2) 90-95% Calc, PlastFoam, Other m.p. 3) 4) Nov-23-21	S. Acoustical, E. guest Bedroom, Guest bedrooms and master Acoustic-White
4-SA. Lab ID # 9092-00071-004	**5-10%**	**Chrysotile**	1) None Detected 2) 90-95% Calc, PlastFoam, Other m.p. 3) 4) Nov-23-21	S. Acoustical, W. Bedrooms, Guest bedrooms and laundry rooms Acoustic-White
5-SA. Lab ID # 9092-00071-005	**5-10%**	**Chrysotile**	1) None Detected 2) 90-95% Calc, PlastFoam, Other m.p. 3) 4) Nov-23-21	S. Acoustical, master Bedroom, ceilings Acoustic-White
6-SA. Lab ID # 9092-00071-006	**5-10%**	**Chrysotile**	1) None Detected 2) 90-95% Calc, PlastFoam, Other m.p. 3) 4) Nov-23-21	S. Acoustical, additional storage room, additional storage and Acoustic-White
7-SA. Lab ID # 9092-00071-007	**5-10%**	**Chrysotile**	1) None Detected 2) 90-95% Calc, PlastFoam, Other m.p. 3) 4) Nov-23-21	S. Acoustical, additional bed room, bed room ceiling Acoustic-White
8-SA. Lab ID # 9092-00071-008	**5-10%**	**Chrysotile**	1) None Detected 2) 90-95% Calc, PlastFoam, Other m.p. 3) 4) Nov-23-21	S. Acoustical, additional bed room, bed room ceiling Acoustic-White
9-TSI. Split A Lab ID # 9092-00071-009A		**None Detected**	1) 20-30% Cellulose 2) 70-80% Plast, Other m.p. 3) 4) Nov-23-21	Fibergass Ducting (plastic wrap), Attic, attic "ductwork" wrap-Silver

Limit of quantitation of method is estimated to be 1% asbestos using a visual area estimation technique. Split samples are inhomogeneous.

Laboratory Analyst Greg Hanes

NVLAP Lab Code 200104-0

POLARIZED LIGHT MICROSCOPY ANALYTICAL REPORT

EPA Method 600/R-93/116 or 600/M4-82-020

Contact: Mr. R. Piekarz

Address: Nevada Department of
1263 South Stewart Street
Carson City, NV 89712

Samples Indicated: 10
Reg. Samples Analyzed: 10
Split Layers Analyzed: 3

Job Site / No. 3932 La Cruz
61010

Report No. **146055**
Date Submitted: Nov-19-21
Date Reported: Nov-23-21

SAMPLE ID	ASBESTOS % TYPE	OTHER DATA (1) Non-Asbestos Fibers (2) Matrix Materials (3) Date/Time Collected (4) Date Analyzed	DESCRIPTION FIELD / LAB
9-TSI. Split B Lab ID # 9092-00071-009B	**None Detected**	1) 99-100% Fiberglass 2) None Detected 3) 4) Nov-23-21	Fibergass Ducting (plastic wrap), Attic, attic "ductwork" Insulation-Yellow
10-TSI. Split A Lab ID # 9092-00071-010A	**None Detected**	1) 50-60% Cellulose 2) 40-50% Tar, Other m.p. 3) 4) Nov-23-21	Fibergass Ins (paper wrap), Attic, attic flooring Wrap-Brown/Black
10-TSI. Split B Lab ID # 9092-00071-010B	**None Detected**	1) 99-100% Fiberglass 2) None Detected 3) 4) Nov-23-21	Fibergass Ins (paper wrap), Attic, attic flooring Insulation-Pink
Lab ID #		1) 2) 3) 4)	
Lab ID #		1) 2) 3) 4)	
Lab ID #		1) 2) 3) 4)	
Lab ID #		1) 2) 3) 4)	
Lab ID #		1) 2) 3) 4)	
Lab ID #		1) 2) 3) 4)	
Lab ID #		1) 2) 3) 4)	

Limit of quantitation of method is estimated to be 1% asbestos using a visual area estimation technique. Split samples are inhomogeneous.

Laboratory Analyst Greg Hanes

Nevada Department of Transportation
1263 S. Stewart St
Carson City, NV 89701 RPIEKARZ@DOT.NV.GOV

Survey Data

Inspectors: [redacted]/Robert Piekarz	Project Name: CHARLESTON DEMO	Project Number: 61010	Date Sampled: 11/17
Phone: 775-888-7892 Fax: 775-888-7104	Project Location: 3932 LA CRUZ	Analysis Type: Abestos	Air (Bulk)
Turn-A-Round Time: Rush 24-Hour (2 Day)	Requests: Verbals ~~Fax~~ EMAIL	Test to First Positive:	Yes (No)

Lab #	Sample ID	Material Description	Sample Location	Location of Materials	Quantity	Condition	Friable	Asbestos %
	1 1-RT	ROOF (COMP) & ROOF TAR PAPER	SOUTH ROOF	ROOF				
	2 2-RM	ROOF PENT. MASTIC	W-MOST ROOF PENT	ROOF				
	3 3-SA	S. ACCOUSTICAL	E. GUEST BED R	GUEST BED ROOMS AND MASTER				
	4 4-SA	" "	W. GUEST BED R.	BED ROOMS AND LAUNDRY RM				
	5 5-SA	" "	MASTER BED R	CEILINGS				
	6 6-SA	" "	ADDITION STORAGE ROOM	ADDITION STORAGE AND				
	7 7-SA	" "	ADDITION BED ROOM	BED ROOM CEILING				
	8 8-SA	" "	" "	" "				
	9 9-TSI	FIBERGLASS DUCTING	ATTIC	ATTIC "DUCTWORK"				
	10 10-TSI	PLASTIC WRAP FIBERGLASS INS.	ATTIC	ATTIC FLOORING				

Comments/Additional Information PAPER WRAP

MATERIAL			CONDITION	UNITS	ASBESTOS %
PFI - Pipe Fitted Insulation	VT - Vinyl Tile	GA - Gasket	G - Good	LF - Linear Feet	A - Asmosite Asbestos
PRI - Pipe Run Insulation	M - Mastic	D - Debris	D - Damaged	SF - Square Feet	C - Chrysotile Asbestos
DI - Duct Insulation	CBM - Cove Base Mastic	TSI - Thermal System	SD - Significant Damage	CF - Cubic Feet	NDA - No Asbestos Detected
TI - Tank Insulation	AT - Acoustical Tile	Insulation			Assumed ACM - No Samples Taken
EJ - Expansion Joint	SA - Spray Acoustic	R - Roof			
BI - Boiler Insulation	W- Wall	DW - Drywall			
	P - Plaster	JC - Joint Compound			

Relinquished By: [signature]	Relinquished By:	Relinquished By:
Date/Time : 11/19/21 08:30	Date/Time : 10:00 am	Date/Time :
Received By:	Received By: Natasha Neto-Coleman	Received By:

Natasha Neto-Coleman

ASBESTOS TEM LABORATORIES, INC.

EPA Method 600/R-93/116
Polarized Light Microscopy
Analytical Report

Report No. 146059

1350 Freeport Blvd., Unit 104
Sparks, NV 89431
(775) 359-3377
FAX (775) 359-2798

Main Office Located At:
3431 Ettie Street Oakland, CA 94608
Ph. (510) 704-8930 Fax (510) 704-8929

ASBESTOS TEM LABORATORIES, INC

NVLAP Lab Code 200104-0

Nov-22-21

Mr. R Piekarz
Nevada Department of Transportation
1263 South Stewart Street
Carson City, NV 89712

RE: LABORATORY JOB Nc
Polarized light microscopy analytical results for 10 bulk sample(s) with 3 sample split(s)
Job Site: 3932 La Cruz
Job No.: 61010
Report No.: 146059

Enclosed please find the bulk material analytical results for one or more samples submitted for asbestos analysis. The analyses were performed in accordance with EPA Method 600/R-93/116 or 600/M4-82-020 for the determination of asbestos in bulk building materials by polarized light microscopy (PLM). Please note that while PLM analysis is commonly performed on non-friable and fine grained materials such as floor tiles and dust, the EPA method recognizes that PLM is subject to limitations. In these situations, accurate results may only be obtainable through the use of more sophisticated and accurate techniques such as transmission electron microscopy (TEM) or X-ray diffraction (XRD).

Prior to analysis, samples are logged-in and all data pertinent to the sample recorded. The samples are checked for damage or disruption of any chain-of-custody seals. A unique laboratory ID number is assigned to each sample. A hard copy log-in sheet containing all pertinent information concerning the sample is generated. This and all other relevant paper work are kept with the sample throughout the analytical procedures to assure proper analysis.

Each sample is opened in a class 100 HEPA negative air hood. A representative sampling of the material is selected and placed onto a glass microscope slide containing a drop of refractive index oil. The glass slide is placed under a polarizing light microscope where standard mineralogical techniques are used to analyze and quantify the various materials present, including asbestos. The data is then compiled into standard report format and subjected to a thorough quality assurance check before the information is released to the client.

Please note all samples will be held for 3 months from the date of receipt unless otherwise requested by client.

Sincerely Yours,

Laboratory Analyst
ASBESTOS TEM LABORATORIES, INC.

NVLAP Lab Code 200104-0

POLARIZED LIGHT MICROSCOPY ANALYTICAL REPORT

EPA Method 600/R-93/116 or 600/M4-82-020

Contact: Mr. R Piekarz

Address: Nevada Department of
1263 South Stewart Street
Carson City, NV 89712

Samples Indicated: 10
Reg. Samples Analyzed: 10
Split Layers Analyzed: 3

Job Site / No. 3932 La Cruz
61010

Report No. **146059**
Date Submitted: Nov-19-21
Date Reported: Nov-22-21

SAMPLE ID	ASBESTOS % TYPE	OTHER DATA 1) Non-Asbestos Fibers 2) Matrix Materials 3) Date/Time Collected 4) Date Analyzed	DESCRIPTION FIELD LAB
11-TSI. Split A Lab ID # 9092-00074-001A	**None Detected**	1) 10-20% Cellulose 2) 80-90% Tar, Metal Foil, Other m.p. 3) 4) Nov-22-21	Fiberglass Ins, wall - W-G Bedroom, through cut house walls Backing-Silver/Black
11-TSI. Split B Lab ID # 9092-00074-001B	**None Detected**	1) 95-99% Fiberglass 2) 1-5% Bndr, Other m.p. 3) 4) Nov-22-21	Fiberglass Ins, wall - W-G Bedroom, through cut house walls Insulation-Pink
12-TSI. Lab ID # 9092-00074-002	**None Detected**	1) 95-99% Fiberglass 2) 1-5% Bndr, Other m.p. 3) 4) Nov-22-21	Foil wrapped rigged fiberglass plastic coat duct work, attic ductwork, attic ductwork intake Insulation-Pink
13-TSI. Split A Lab ID # 9092-00074-003A	**None Detected**	1) 70-80% Cellulose 2) 20-30% Tar, Other m.p. 3) 4) Nov-22-21	Fiberglass ins paper wrapped, wall-addition, addition walls Backing-Tan
13-TSI. Split B Lab ID # 9092-00074-003B	**None Detected**	1) 95-99% Fiberglass 2) 1-5% Bndr, Other m.p. 3) 4) Nov-22-21	Fiberglass ins paper wrapped, wall-addition, addition walls Insulation-Yellow
14-TSI. Split A Lab ID # 9092-00074-004A	**None Detected**	1) 70-80% Cellulose 2) 20-30% Tar, Other m.p. 3) 4) Nov-22-21	Fiberglass ins paper wrapped, attic-addition, addition attic flooring Backing-Tan
14-TSI. Split B Lab ID # 9092-00074-004B	**None Detected**	1) 95-99% Fiberglass 2) 1-5% Bndr, Other m.p. 3) 4) Nov-22-21	Fiberglass ins paper wrapped, attic-addition, addition attic flooring Insulation-Yellow
15-TSI. Lab ID # 9092-00074-005	**None Detected**	1) 95-99% Fiberglass 2) 1-5% Bndr, Other m.p. 3) 4) Nov-22-21	Fiberglass uncoated, attic-addition ductwork, attic add ductwork Insulation-Pink
16-TSI. Lab ID # 9092-00074-006	**None Detected**	1) 90-95% Fiberglass 2) 5-10% Plast, Bndr, Other m.p. 3) 4) Nov-22-21	Fiberglass plastic coated, attic-addition ductwork, attic add intake Insulation-Yellow/Black
17-DW. Lab ID # 9092-00074-007	**None Detected**	1) 10-20% Cellulose 2) 80-90% Gyp, Other m.p. 3) 4) Nov-22-21	Dry- no texture, E-wall, E-G bed, three bedroom and guest bath Drywall-White/Tan

Limit of quantitation of method is estimated to be 1% asbestos using a visual area estimation technique. Split samples are inhomogeneous.

Laboratory Analyst Greg Hanes

NVLAP Lab Code 200104-0

POLARIZED LIGHT MICROSCOPY ANALYTICAL REPORT

EPA Method 600/R-93/116 or 600/M4-82-020

Contact: Mr. R Piekarz

Address: Nevada Department of
1263 South Stewart Street
Carson City, NV 89712

Samples Indicated: 10
Reg. Samples Analyzed: 10
Split Layers Analyzed: 3

Job Site / No. 3932 La Cruz
61010

Report No. **146059**
Date Submitted: Nov-19-21
Date Reported: Nov-22-21

SAMPLE ID	ASBESTOS % TYPE	OTHER DATA 1) Non-Asbestos Fibers 2) Matrix Materials 3) Date/Time Collected 4) Date Analyzed	DESCRIPTION FIELD / LAB
18-DW.	**None Detected**	1) 10-20% Cellulose 2) 80-90% Gyp, Other m.p.	Dry- no texture, S-wall, W-G bed, Ceilings (S.A. a text in bath)
Lab ID # 9092-00074-008		3) 4) Nov-22-21	Drywall-White/Tan
19-DW.	**None Detected**	1) 10-20% Cellulose 2) 80-90% Gyp, Other m.p.	Dry- no texture, W-wall, M bed, Ceilings (S.A. a text in bath)
Lab ID # 9092-00074-009		3) 4) Nov-22-21	Drywall-White/Tan
20-C.	**None Detected**	1) 5-10% Cellulose 2) 90-95% Bndr, Calc, Gyp, Other m.p.	Coating material behind wood panel, master bath S-wall only, behind panneling in master b (only M.B)
Lab ID # 9092-00074-010		3) 4) Nov-22-21	Adhesive-White/Brown
Lab ID #		1) 2) 3) 4)	
Lab ID #		1) 2) 3) 4)	
Lab ID #		1) 2) 3) 4)	
Lab ID #		1) 2) 3) 4)	
Lab ID #		1) 2) 3) 4)	
Lab ID #		1) 2) 3) 4)	

Limit of quantitation of method is estimated to be 1% asbestos using a visual area estimation technique.
Split samples are inhomogeneous.

Laboratory Analyst Greg Hanes

Nevada Department of Transportation
1263 S. Stewart St
Carson City, NV 89701 RPIEKARZ@DOT.NV.GOV

Survey Data

Inspectors: [redacted]/Robert Piekarz	Project Name: CHARLESTON Demo	Project Number: 61010	Date Sampled: 11/17
Phone: 775-888-7892 Fax: 775-888-7104	Project Location: 3932 LA CRUZ	Analysis Type: Abestos	Air (Bulk)
Turn-A-Round Time: Rush 24-Hour (2 Day)	Requests: Verbals ~~Fax~~ EMAIL	Test to First Positive:	Yes (No)

Lab #	Sample ID	Material Description	Sample Location	Location of Materials	Quantity	Condition	Friable	Asbestos %
	1 11-TSI	FIBERGLASS INS FOIL WRAPPED	WALL - W-G BED R.	THROUGHOUT HOUSE WALLS				
	2 12-TSI	RIGED FIBERGLASS PLASTIC COAT DUCTWORK	ATTIC DUCTWORK	ATTIC DUCTWORK INTAKE				
	3 13-TSI	F. BERGLASS INS PAPER WRAPPED	WALL - ADDITION	ADDITION WALLS				
	4 14-TSI	" "	ATTIC - ADDITION	ADDITION ATTIC FLOORING				
	5 15-TSI	FIBERGLASS UNCOATED	ATTIC - ADDITION DUCTWORK	ATTIC ADD DUCTWORK				
	6 16-TSI	FIBERGLASS PLASTIC COATED	" "	" " INTAKE				
	7 17-DW	DRY - NO TEXT	E. WALL, E-G BED	THREE BED R.* & GUEST BATH				
	8 18-DW	" "	S-WALL, W-G BED	- CEILINGS (S.A. & TEXT IN BATH)				
	9 19-DW	" "	W-WALL, M BED	" "				
	10 20-C	COATING MATERIAL BEHIND WOOD PANEL	MASTER BATH S-WALL ONLY	BEHIND WOOD * PANELING IN MASTER B. ONLY M.B)				

Comments/Additional Information

* DW SAME IN MBATH

MATERIAL			CONDITION	UNITS	ASBESTOS %
PFI - Pipe Fitted Insulation	VT - Vinyl Tile	GA - Gasket	G - Good	LF - Linear Feet	A - Asmosite Asbestos
PRI - Pipe Run Insulation	M - Mastic	D - Debris	D - Damaged	SF - Square Feet	C - Chrysotile Asbestos
DI - Duct Insulation	CBM - Cove Base Mastic	TSI - Thermal System	SD - Significant Damage	CF - Cubic Feet	NDA - No Asbestos Detected
TI - Tank Insulation	AT - Acoustical Tile	Insulation			Assumed ACM - No Samples Taken
EJ - Expansion Joint	SA - Spray Acoustic	R - Roof			
BI - Boiler Insulation	W- Wall	DW - Drywall			
	P - Plaster	JC - Joint Compound			

Relinquished By:	Relinquished By:	Relinquished By:
Date/Time : 11/19/21, 08:30	Date/Time : 10:00 am, 11/19/21	Date/Time :
Received By:	Received By:	Received By:

ASBESTOS TEM LABORATORIES, INC.

EPA Method 600/R-93/116
Polarized Light Microscopy
Analytical Report

Report No. 146057

1350 Freeport Blvd., Unit 104
Sparks, NV 89431
(775) 359-3377
FAX (775) 359-2798

Main Office Located At:
3431 Ettie Street Oakland, CA 94608
Ph. (510) 704-8930 Fax (510) 704-8929

ASBESTOS TEM LABORATORIES, INC

NVLAP Lab Code 200104-0

Nov-23-21

Mr. R Piekarz
Nevada Department of Transportation
1263 South Stewart Street
Carson City, NV 89712

RE: LABORATORY JOB Nc
Polarized light microscopy analytical results for 10 bulk sample(s) with 8 sample split(s)
Job Site: 3932 La Cruz
Job No.: 61010
Report No.: 146057

Enclosed please find the bulk material analytical results for one or more samples submitted for asbestos analysis. The analyses were performed in accordance with EPA Method 600/R-93/116 or 600/M4-82-020 for the determination of asbestos in bulk building materials by polarized light microscopy (PLM). Please note that while PLM analysis is commonly performed on non-friable and fine grained materials such as floor tiles and dust, the EPA method recognizes that PLM is subject to limitations. In these situations, accurate results may only be obtainable through the use of more sophisticated and accurate techniques such as transmission electron microscopy (TEM) or X-ray diffraction (XRD).

Prior to analysis, samples are logged-in and all data pertinent to the sample recorded. The samples are checked for damage or disruption of any chain-of-custody seals. A unique laboratory ID number is assigned to each sample. A hard copy log-in sheet containing all pertinent information concerning the sample is generated. This and all other relevant paper work are kept with the sample throughout the analytical procedures to assure proper analysis.

Each sample is opened in a class 100 HEPA negative air hood. A representative sampling of the material is selected and placed onto a glass microscope slide containing a drop of refractive index oil. The glass slide is placed under a polarizing light microscope where standard mineralogical techniques are used to analyze and quantify the various materials present, including asbestos. The data is then compiled into standard report format and subjected to a thorough quality assurance check before the information is released to the client.

Please note all samples will be held for 3 months from the date of receipt unless otherwise requested by client.

Sincerely Yours,

Laboratory Analyst
ASBESTOS TEM LABORATORIES, INC.

NVLAP Lab Code 200104-0

POLARIZED LIGHT MICROSCOPY ANALYTICAL REPORT

EPA Method 600/R-93/116 or 600/M4-82-020

Contact: Mr. R Piekarz

Address: Nevada Department of
1263 South Stewart Street
Carson City, NV 89712

Samples Indicated: 10
Reg. Samples Analyzed: 10
Split Layers Analyzed: 8

Job Site / No. 3932 La Cruz
61010

Report No. **146057**
Date Submitted: Nov-19-21
Date Reported: Nov-23-21

SAMPLE ID	ASBESTOS %	ASBESTOS TYPE	OTHER DATA (1) Non-Asbestos Fibers (2) Matrix Materials (3) Date/Time Collected (4) Date Analyzed	DESCRIPTION FIELD / LAB
21-DW. Split A Lab ID # 9092-00072-001A	**1-5%**	**Chrysotile**	1) 1-5% Cellulose 2) 90-98% Calc, Gyp, Paint, Other m.p. 3) 4) Nov-23-21	Dry w/orange peel, E-G Broom closet wall, Walls and ceiling to house Texture-White
21-DW. Split B Lab ID # 9092-00072-001B		**None Detected**	1) 10-20% Cellulose 2) 80-90% Gyp, Other m.p. 3) 4) Nov-23-21	Dry w/orange peel, E-G Broom closet wall, Walls and ceiling to house Drywall-White/Tan
22-DW. Split A Lab ID # 9092-00072-002A	**1-5%**	**Chrysotile**	1) 1-5% Cellulose 2) 90-98% Calc, Gyp, Paint, Other m.p. 3) 4) Nov-23-21	Dry w/orange peel, W wall living room, additions bedroom Texture-White
22-DW. Split B Lab ID # 9092-00072-002B		**None Detected**	1) 10-20% Cellulose 2) 80-90% Gyp, Other m.p. 3) 4) Nov-23-21	Dry w/orange peel, W wall living room, additions bedroom Drywall-White/Tan
23-DW. Split A Lab ID # 9092-00072-003A	**1-5%**	**Chrysotile**	1) 1-5% Cellulose 2) 90-98% Calc, Gyp, Paint, Other m.p. 3) 4) Nov-23-21	Dry w/orange peel, L.R. ceiling, spray-on ceiling Texture-White
23-DW. Split B Lab ID # 9092-00072-003B		**None Detected**	1) 10-20% Cellulose 2) 80-90% Gyp, Other m.p. 3) 4) Nov-23-21	Dry w/orange peel, L.R. ceiling, spray-on ceiling Drywall-White/Tan
24-DW. Split A Lab ID # 9092-00072-004A		**None Detected**	1) 1-5% Cellulose 2) 95-99% Calc, Gyp, Paint, Other m.p. 3) 4) Nov-23-21	Dry w/orange peel, N-kitchen wall, laundry room and bathrooms Texture-White
24-DW. Split B Lab ID # 9092-00072-004B		**None Detected**	1) 10-20% Cellulose 2) 80-90% Gyp, Other m.p. 3) 4) Nov-23-21	Dry w/orange peel, N-kitchen wall, laundry room and bathrooms Drywall-White/Tan
25-DW. Split A Lab ID # 9092-00072-005A		**None Detected**	1) 1-5% Cellulose 2) 95-99% Calc, Gyp, Paint, Other m.p. 3) 4) Nov-23-21	Dry w/orange peel, E-kitchen wall, laundry room and bathrooms Texture-White
25-DW. Split B Lab ID # 9092-00072-005B		**None Detected**	1) 10-20% Cellulose 2) 80-90% Gyp, Other m.p. 3) 4) Nov-23-21	Dry w/orange peel, E-kitchen wall, laundry room and bathrooms Drywall-White/Tan

Limit of quantitation of method is estimated to be 1% asbestos using a visual area estimation technique. Split samples are inhomogeneous.

Laboratory Analyst Greg Hanes

NVLAP Lab Code 200104-0

POLARIZED LIGHT MICROSCOPY ANALYTICAL REPORT

EPA Method 600/R-93/116 or 600/M4-82-020

Contact: Mr. R Piekarz

Address: Nevada Department of
1263 South Stewart Street
Carson City, NV 89712

Samples Indicated: 10
Reg. Samples Analyzed: 10
Split Layers Analyzed: 8

Job Site / No. 3932 La Cruz
61010

Report No. **146057**
Date Submitted: Nov-19-21
Date Reported: Nov-23-21

SAMPLE ID	ASBESTOS % TYPE	OTHER DATA 1) Non-Asbestos Fibers 2) Matrix Materials 3) Date/Time Collected 4) Date Analyzed	DESCRIPTION FIELD / LAB
26-DW. Split A Lab ID # 9092-00072-006A	**None Detected**	1) 6-15% Cellulose,Fiberglass 2) 85-94% Calc, Gyp, Paint, Other m.p. 3) 4) Nov-23-21	W.R. drywall no text, g. Bathroom, g. bathroom Skim Coat-White
26-DW. Split B Lab ID # 9092-00072-006B	**None Detected**	1) 10-20% Cellulose 2) 80-90% Gyp, Other m.p. 3) 4) Nov-23-21	W.R. drywall no text, g. Bathroom, g. bathroom Drywall-White/Tan
27-DW. Split A Lab ID # 9092-00072-007A	**None Detected**	1) 6-15% Cellulose,Fiberglass 2) 85-94% Calc, Gyp, Paint, Other m.p. 3) 4) Nov-23-21	W.R. drywall no text, g. Bathroom walls, g. bathroom walls Skim Coat-White
27-DW. Split B Lab ID # 9092-00072-007B	**None Detected**	1) 10-20% Cellulose 2) 80-90% Gyp, Other m.p. 3) 4) Nov-23-21	W.R. drywall no text, g. Bathroom walls, g. bathroom walls Drywall-White/Tan
28-DW. Split A Lab ID # 9092-00072-008A	**None Detected**	1) 6-15% Cellulose,Fiberglass 2) 85-94% Calc, Gyp, Paint, Other m.p. 3) 4) Nov-23-21	W.R. drywall no text, g. Bathroom walls, g. bathroom walls Skim Coat-White
28-DW. Split B Lab ID # 9092-00072-008B	**None Detected**	1) 10-20% Cellulose 2) 80-90% Gyp, Other m.p. 3) 4) Nov-23-21	W.R. drywall no text, g. Bathroom walls, g. bathroom walls Drywall-White/Tan
29-DW. Lab ID # 9092-00072-009	**None Detected**	1) 10-20% Cellulose 2) 80-90% Gyp, Paint, Other m.p. 3) 4) Nov-23-21	Drywall no coating, storage room addition N, Storage room N-laundry Drywall-White/Tan
30-DW. Lab ID # 9092-00072-010	**None Detected**	1) 10-20% Cellulose 2) 80-90% Gyp, Paint, Other m.p. 3) 4) Nov-23-21	Drywall no coating, GF laundry, Storage room N-laundry Drywall-White/Tan
Lab ID #		1) 2) 3) 4)	
Lab ID #		1) 2) 3) 4)	

Limit of quantitation of method is estimated to be 1% asbestos using a visual area estimation technique. Split samples are inhomogeneous.

Laboratory Analyst Greg Hanes

Nevada Department of Transportation
1263 S. Stewart St
Carson City, NV 89701 RPIEKARZ@DOT.NV.GOV

Survey Data

Inspectors: [redacted]/Robert Piekarz	Project Name: CHARLESTON DEMO	Project Number: 61010	Date Sampled: 11/17
Phone: 775-888-7892 Fax: 775-888-7104	Project Location: 3932 La Cruz	Analysis Type: Abestos	Air (Bulk)
Turn-A-Round Time: Rush 24-Hour (2 Day)	Requests: Verbals ~~Email~~	Test to First Positive:	Yes (No)

Lab #	Sample ID	Material Description	Sample Location	Location of Materials	Quantity	Condition	Friable	Asbestos %
	1 21-DW	DRY w/ORANGE peel	E-G BROOM CLOSET WALL	WALLS & CEILING TO. HOUSE &	L			
	2 22-DW	" "	W-WALL LIVING RM	- ADDITIONS, BED ROOM, &				
	3 23-DW	" "	L.R. CEILING	SPRAY-ON CEILING,				
	4 24-DW	" "	N-KITCHEN WALL	LAUNDRY RM, AND BATHRS				
	5 25-DW	" "	E-KITCHEN WALL	" "				
	6 26-DW	W.R. DRYWALL NO TEXT	G. BATHROOM WALLS	G. BATHROOM WALLS				
	7 27-DW	" "	" "	" "				
	8 28-DW	" "	" "	" "				
	9 29-DW	DRYWALL NO COATING	STORAGE RM ADDITION N	STORAGE RM N- LAUNDRY				
	10 30-DW	" "	GR LAUNDRY	" "				

Comments/Additional Information

MATERIAL			CONDITION	UNITS	ASBESTOS %
PFI - Pipe Fitted Insulation	VT - Vinyl Tile	GA - Gasket	G - Good	LF - Linear Feet	A - Asmosite Asbestos
PRI - Pipe Run Insulation	M - Mastic	D - Debris	D - Damaged	SF - Square Feet	C - Chrysotile Asbestos
DI - Duct Insulation	CBM - Cove Base Mastic	TSI - Thermal System	SD - Significant Damage	CF - Cubic Feet	NDA - No Asbestos Detected
TI - Tank Insulation	AT - Acoustical Tile	Insulation			Assumed ACM - No Samples Taken
EJ - Expansion Joint	SA - Spray Acoustic	R - Roof			
BI - Boiler Insulation	W - Wall	DW - Drywall			
	P - Plaster	JC - Joint Compound			

Relinquished By:	Relinquished By:	Relinquished By:
Date/Time : 11/19/21, 08:30	Date/Time : 10:00am	Date/Time :
Received By:	Received By: Natasha Neto-Coleman	Received By:

Natasha Neto-Coleman

ASBESTOS TEM LABORATORIES, INC.

EPA Method 600/R-93/116
Polarized Light Microscopy
Analytical Report

Report No. 146058

1350 Freeport Blvd., Unit 104
Sparks, NV 89431
(775) 359-3377
FAX (775) 359-2798

Main Office Located At:
3431 Ettie Street Oakland, CA 94608
Ph. (510) 704-8930 Fax (510) 704-8929

ASBESTOS TEM LABORATORIES, INC

NVLAP Lab Code 200104-0

Nov-22-21

Mr. R Piekarz
Nevada Department of Transportation
1263 South Stewart Street
Carson City, NV 89712

RE: LABORATORY JOB Nc
Polarized light microscopy analytical results for 13 bulk sample(s) with 7 sample split(s)
Job Site: 3932 La Cruz
Job No.: 61010
Report No.: 146058

Enclosed please find the bulk material analytical results for one or more samples submitted for asbestos analysis. The analyses were performed in accordance with EPA Method 600/R-93/116 or 600/M4-82-020 for the determination of asbestos in bulk building materials by polarized light microscopy (PLM). Please note that while PLM analysis is commonly performed on non-friable and fine grained materials such as floor tiles and dust, the EPA method recognizes that PLM is subject to limitations. In these situations, accurate results may only be obtainable through the use of more sophisticated and accurate techniques such as transmission electron microscopy (TEM) or X-ray diffraction (XRD).

Prior to analysis, samples are logged-in and all data pertinent to the sample recorded. The samples are checked for damage or disruption of any chain-of-custody seals. A unique laboratory ID number is assigned to each sample. A hard copy log-in sheet containing all pertinent information concerning the sample is generated. This and all other relevant paper work are kept with the sample throughout the analytical procedures to assure proper analysis.

Each sample is opened in a class 100 HEPA negative air hood. A representative sampling of the material is selected and placed onto a glass microscope slide containing a drop of refractive index oil. The glass slide is placed under a polarizing light microscope where standard mineralogical techniques are used to analyze and quantify the various materials present, including asbestos. The data is then compiled into standard report format and subjected to a thorough quality assurance check before the information is released to the client.

Please note all samples will be held for 3 months from the date of receipt unless otherwise requested by client.

Sincerely Yours,

Laboratory Analyst
ASBESTOS TEM LABORATORIES, INC.

NVLAP Lab Code 200104-0

POLARIZED LIGHT MICROSCOPY ANALYTICAL REPORT

EPA Method 600/R-93/116 or 600/M4-82-020

Contact: Mr. R Piekarz

Address: Nevada Department of
1263 South Stewart Street
Carson City, NV 89712

Samples Indicated: 13
Reg. Samples Analyzed: 13
Split Layers Analyzed: 7

Job Site / No. 3932 La Cruz
61010

Report No. **146058**
Date Submitted: Nov-19-21
Date Reported: Nov-22-21

SAMPLE ID	ASBESTOS % TYPE	OTHER DATA 1) Non-Asbestos Fibers 2) Matrix Materials 3) Date/Time Collected 4) Date Analyzed	DESCRIPTION FIELD / LAB
31-DW. Lab ID # 9092-00073-001	**None Detected**	1) 10-20% Cellulose 2) 80-90% Gyp, Other m.p. 3) 4) Nov-22-21	Drywall no coating, storage room additional - noflaund, storage room N-laundry Drywall-White/Tan
32-DW. Split A Lab ID # 9092-00073-002A	**None Detected**	1) 1-5% Cellulose 2) 95-99% Calc, Gyp, Paint, Other m.p. 3) 4) Nov-22-21	Dw with orange peel, N wall L.V. Addition, drywall & ceiling Texture-White
32-DW. Split B Lab ID # 9092-00073-002B	**None Detected**	1) 10-20% Cellulose 2) 80-90% Gyp, Other m.p. 3) 4) Nov-22-21	Dw with orange peel, N wall L.V. Addition, drywall & ceiling Drywall-White/Tan
33-DW. Split A Lab ID # 9092-00073-003A	**None Detected**	1) 1-5% Cellulose 2) 95-99% Calc, Gyp, Paint, Other m.p. 3) 4) Nov-22-21	Dw with orange peel, E wall L.V. Addition -storage and Texture-White
33-DW. Split B Lab ID # 9092-00073-003B	**None Detected**	1) 10-20% Cellulose 2) 80-90% Gyp, Other m.p. 3) 4) Nov-22-21	Dw with orange peel, E wall L.V. Addition -storage and Drywall-White/Tan
34-DW. Split A Lab ID # 9092-00073-004A	**None Detected**	1) 1-5% Cellulose 2) 95-99% Calc, Gyp, Paint, Other m.p. 3) 4) Nov-22-21	Dw with orange peel, N wall bedroom addition, B.R. ceiling and S. bedroom wall Texture-White
34-DW. Split B Lab ID # 9092-00073-004B	**None Detected**	1) 10-20% Cellulose 2) 80-90% Gyp, Other m.p. 3) 4) Nov-22-21	Dw with orange peel, N wall bedroom addition, B.R. ceiling and S. bedroom wall Drywall-White/Tan
35-W. Split A Lab ID # 9092-00073-005A	**None Detected**	1) <1% Cellulose 2) 100-100% Clay, Qtz, Gyp, Other 3) 4) Nov-22-21	faux brick and grout, E. wall archway in kitchen, N. kitchen wall and east archways, 80 Brick-Beige
35-W. Split B Lab ID # 9092-00073-005B	**None Detected**	1) <1% Cellulose 2) 100-100% Clay, Qtz, Gyp, Other 3) 4) Nov-22-21	faux brick and grout, E. wall archway in kitchen, N. kitchen wall and east archways, 80 Grout-Grey
36-W. Split A Lab ID # 9092-00073-006A	**None Detected**	1) None Detected 2) 99-100% Calc, Gyp, Other m.p. 3) 4) Nov-22-21	rose marble w/thinset, entry way wall, entry way board En, 16 Tile-Cream

Limit of quantitation of method is estimated to be 1% asbestos using a visual area estimation technique. Split samples are inhomogeneous.

Laboratory Analyst Greg Hanes

NVLAP Lab Code 200104-0

POLARIZED LIGHT MICROSCOPY ANALYTICAL REPORT

EPA Method 600/R-93/116 or 600/M4-82-020

Contact: Mr. R Piekarz

Address: Nevada Department of
1263 South Stewart Street
Carson City, NV 89712

Samples Indicated: 13
Reg. Samples Analyzed: 13
Split Layers Analyzed: 7

Job Site / No. 3932 La Cruz
61010

Report No. **146058**
Date Submitted: Nov-19-21
Date Reported: Nov-22-21

SAMPLE ID	ASBESTOS %	ASBESTOS TYPE	OTHER DATA (1) Non-Asbestos Fibers (2) Matrix Materials (3) Date/Time Collected (4) Date Analyzed	DESCRIPTION FIELD / LAB
36-W. Split B Lab ID # 9092-00073-006B		**None Detected**	1) <1% Cellulose 2) 100-100% Clay, Qtz, Gyp, Other 3) 4) Nov-22-21	rose marble w/thinset, entry way wall, entry way board En, 16 Thinset-Grey
37-FT. Lab ID # 9092-00073-007	**20-30%**	**Chrysotile**	1) 10-20% Cellulose 2) 50-70% Plast, Gyp, Other m.p. 3) 4) Nov-22-21	12"x12" R floor tile, brown tan pattern, M bath floor, M Bath, M.W. closet Laundry room Flooring-Brown/Grey
38-M. Lab ID # 9092-00073-008		**None Detected**	1) <1% Cellulose 2) 100-100% Clay, Qtz, Gyp, Other 3) 4) Nov-22-21	floor tile concrete, center living room, living room flooring w/rose marble Concrete-Grey
39-FT. Split A Lab ID # 9092-00073-009A		**None Detected**	1) 1-5% Cellulose 2) 95-99% Plast, Calc, Qtz, Other m.p. 3) 4) Nov-22-21	9"x9" off white floor tile, storage room floor, storage room floor next to laundry room Floor Tile-Off-White
39-FT. Split B Lab ID # 9092-00073-009B		**None Detected**	1) 1-5% Cellulose 2) 95-99% Bndr, Calc, Gyp, Other m.p. 3) 4) Nov-22-21	9"x9" off white floor tile, storage room floor, storage room floor next to laundry room Mastic-Yellow
40-SV. Lab ID # 9092-00073-010	**20-30%**	**Chrysotile**	1) 10-20% Cellulose 2) 50-70% Plast, Gyp, Other m.p. 3) 4) Nov-22-21	red geometric pattern sheet vinyl, kitchen floor, small patch kitchen near archway Sheet Vinyl-Red/Grey
41-FT. Lab ID # 9092-00073-011		**None Detected**	1) 1-5% Cellulose 2) 95-99% Plast, Calc, Qtz, Other m.p. 3) 4) Nov-22-21	Red brick pattern floor tile, kitchen floor, small patch kitchen near archway, 30 Floor Tile-Red
42-SV. Split A Lab ID # 9092-00073-012A		**None Detected**	1) 1-5% Cellulose 2) 95-99% Plast, Calc, Qtz, Other m.p. 3) 4) Nov-22-21	Tan sheet vinyl, storage room floor, storage room in additon Sheet Vinyl-Tan
42-SV. Split B Lab ID # 9092-00073-012B		**None Detected**	1) 5-10% Cellulose 2) 90-95% Bndr, Tar, Other m.p. 3) 4) Nov-22-21	Tan sheet vinyl, storage room floor, storage room in additon Mastic-Yellow/Black
43-FT. Lab ID # 9092-00073-013		**None Detected**	1) 1-5% Cellulose 2) 95-99% Plast, Calc, Qtz, Other m.p. 3) 4) Nov-22-21	12"x12" brown wood grain floor tile, bed room floor, guest bedroom floor in addition Floor Tile-Brown

Limit of quantitation of method is estimated to be 1% asbestos using a visual area estimation technique. Split samples are inhomogeneous.

Laboratory Analyst Greg Hanes

Nevada Department of Transportation
1263 S. Stewart St
Carson City, NV 89701 RPIEKARZ@DOT.NV.GOV

Survey Data

Inspectors: [redacted]/Robert Piekarz	Project Name: CHARLESTON DEMO	Project Number: 61010	Date Sampled:
Phone: 775-888-7892 Fax: 775-888-7104	Project Location: 3932 LA CRUZ	Analysis Type: Abestos	Air (Bulk)
Turn-A-Round Time: Rush 24-Hour (2 Day)	Requests: Verbals ~~Email~~	Test to First Positive:	Yes (No)

Lab #	Sample ID	Material Description	Sample Location	Location of Materials	Quantity	Condition	Friable	Asbestos %
	1 31-DW	DRYWALL NO COATING	STORAGE RM ADDITION - NOFLAKE	STORAGE RM N- LAUNDRY				
	2 32-DW	DW W ORANGE PEEL	N WALL L.V. ADDITION	DRY WALL & CEILING				
	3 33-DW	" "	E WALL L.V. ADDITION	T.O. ADDITION - STORAGE AND				
	4 34-DW	DI "	N. WALL Bed R. ADDITION	B.R. CEILING & S-BR WALL				
	5 35-W	FAUX BRICK & GROUT	E. WALL ARCHWAY IN KITCHEN	N. KITCHEN WALL AND E-ARCHWAY	80 ☐			
	6 36-W	ROSE MARBLE W/THINSET	ENTRY WAY WALL	ENTRY WAY BOARD ER	16 ☐			
	7 37-FT	12"x12" R. FLOOR TILE BRWN/TAN PATTERN	M. BATH FLOOR	M. BATH, M.W. CLOSET LAUNDRY ROOM				
	8 38-M	FLOOR TILE CONCRETE MORTAR	CENTER LIVING ROOM	LIVING ROOM FLOORING/ROSE MARBLE	*			
	9 39-FT	9"x9" OFF WHITE FLOOR TILE	STORAGE ROOM FLOOR	STORAGE RM FLOOR NEXT TO LAUNDRY ROOM				
	10 40-SV	RED GEOMETRIC PATTERN SHEET VINYL	KITCHEN FLOOR	SMALL PATCH KITCHEN NEAR ARCHWAY	3 ☐			

Comments/Additional Information

MATERIAL			CONDITION	UNITS	ASBESTOS %
PFI - Pipe Fitted Insulation	VT - Vinyl Tile	GA - Gasket	G - Good	LF - Linear Feet	A - Asmosite Asbestos
PRI - Pipe Run Insulation	M - Mastic	D - Debris	D - Damaged	SF - Square Feet	C - Chrysotile Asbestos
DI - Duct Insulation	CBM - Cove Base Mastic	TSI - Thermal System	SD - Significant Damage	CF - Cubic Feet	NDA - No Asbestos Detected
TI - Tank Insulation	AT - Acoustical Tile	Insulation			Assumed ACM - No Samples Taken
EJ - Expansion Joint	SA - Spray Acoustic	R - Roof			
BI - Boiler Insulation	W- Wall	DW - Drywall			
	P - Plaster	JC - Joint Compound			

Relinquished By:	Relinquished By:	Relinquished By:
Date/Time : 11/19/21, 08:30	Date/Time : 10:00am 11/19/21	Date/Time :
Received By:	Received By: Natasha Neto-Coleman	Received By:

Natasha Neto-Coleman

Nevada Department of Transportation
1263 S. Stewart St
Carson City, NV 89701 RPIEKARZ@DOT.NV.GOV

Survey Data

Inspectors: [redacted]/Robert Piekarz	Project Name: CHARLESTON Demo	Project Number: 61010	Date Sampled:
Phone: 775-888-7892 Fax: 775-888-7104	Project Location: 3932 La Cruz	Analysis Type: Abestos	Air (Bulk)
Turn-A-Round Time: Rush 24-Hour (2 Day)	Requests: Verbals ~~Fax~~ EMAIL	Test to First Positive:	Yes (No)

Lab #	Sample ID	Material Description	Sample Location	Location of Materials	Quantity	Condition	Friable	Asbestos %
	1 41-FT	Red Brick Pattern Floor Tile	Kitchen Floor	Small Patch Kitchen near Archway	30			
	2 42 SV	Tan Sheet Vinyl	Storage Room Floor	Storage Rm in Addition				
	3 43-FT	12" x 12" Brown Wood Grain Floor Tile	Bed Room Floor	Guest Bed R. Floor In Addition				
	4							
	5							
	6							
	7							
	8							
	9							
	10							

Comments/Additional Information

MATERIAL			CONDITION	UNITS	ASBESTOS %
PFI - Pipe Fitted Insulation	VT - Vinyl Tile	GA - Gasket	G - Good	LF - Linear Feet	A - Asmosite Asbestos
PRI - Pipe Run Insulation	M - Mastic	D - Debris	D - Damaged	SF - Square Feet	C - Chrysotile Asbestos
DI - Duct Insulation	CBM - Cove Base Mastic	TSI - Thermal System	SD - Significant Damage	CF - Cubic Feet	NDA - No Asbestos Detected
TI - Tank Insulation	AT - Acoustical Tile	Insulation			Assumed ACM - No Samples Taken
EJ - Expansion Joint	SA - Spray Acoustic	R - Roof			
BI - Boiler Insulation	W - Wall	DW - Drywall			
	P - Plaster	JC - Joint Compound			

Relinquished By: _____
Date/Time : 11/19/21, 08:30
Received By: _____

Relinquished By: _____
Date/Time : 10:00am, 11/19/21
Received By: Natasha Neto-Coleman

Relinquished By: _____
Date/Time : _____
Received By: _____

Natasha Neto-Coleman

Appendix C
Paint Sample
Analytical Results

Alpha Analytical, Inc.
255 Glendale Ave, #21
Sparks, Nevada 89431
TEL: (775) 355-1044 FAX: (775) 355-0406
Website: www.alpha-analytical.com

December 01, 2021

Robert Piekarz
Nevada DOT Environmental (NDOT)
1263 S. Stewart St.
Carson City, NV 89712
TEL: (775) 888-7692
FAX: (775) 888-7104

RE: 3932 La Cruz

Order No.: NDO2111657

Dear Robert Piekarz:

The result of this report apply to the sample(s) as received.

There were no problems with the analytical events associated with this report unless noted.

Quality control data is within laboratory defined or method specified acceptance limits except if noted.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Randy Gardner

Laboratory Director

255 Glendale Ave, #21
Sparks, Nevada 89431

Alpha Analytical, Inc.
255 Glendale Ave, #21
Sparks, Nevada 89431
TEL: (775) 355-1044 FAX: (775) 355-0406
Website: www.alpha-analytical.com

Analytical Report

WO#: **NDO2111657**
Report Date: **12/1/2021**

CLIENT: Nevada DOT Environmental (NDOT)
Collection Date: 11/17/2021 11:00:00 AM
Project: 3932 La Cruz
Lab ID: 2111657-01
Matrix: OTHER
Client Sample ID: Brown Paint

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Lead (Pb)	130	100		mg/Kg	11/23/2021	Metals by EPA 6020

ALPHA ANALYTICAL INC.

Alpha Analytical, Inc.
255 Glendale Ave, #21
Sparks, Nevada 89431
TEL: (775) 355-1044 FAX: (775) 355-0406
Website: www.alpha-analytical.com

QC SUMMARY REPORT

WO#: **2111657**

01-Dec-21

Client: Nevada DOT Environmental (NDOT)

Project: 3932 La Cruz **TestCode:** **METALS_SO**

Sample ID: **MB-14488** SampType: **MBLK** TestCode: **METALS_SO** Units: **mg/Kg**
Client ID: **PBS** Batch ID: **14488** TestNo: **E200.8**
Prep Date: **11/22/2021** RunNo: **13326** SeqNo: **371315**
Analysis Date: **11/22/2021**

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead (Pb)	ND	1									

Sample ID: **LCS-14488** SampType: **LCS** TestCode: **METALS_SO** Units: **mg/Kg**
Client ID: **LCSS** Batch ID: **14488** TestNo: **E200.8**
Prep Date: **11/22/2021** RunNo: **13326** SeqNo: **371316**
Analysis Date: **11/22/2021**

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead (Pb)	56.9	1	50	0	114	79.51	120.49				

Sample ID: **2111334-21AMSD** SampType: **MSD** TestCode: **METALS_SO** Units: **mg/Kg**
Client ID: **BatchQC** Batch ID: **14488** TestNo: **E200.8**
Prep Date: **11/22/2021** RunNo: **13326** SeqNo: **371319**
Analysis Date: **11/22/2021**

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead (Pb)	63.7	1	50	7.8	112	69.51	130.49	59.1	7.5	20	

Sample ID: **2111334-21AMS** SampType: **MS** TestCode: **METALS_SO** Units: **mg/Kg**
Client ID: **BatchQC** Batch ID: **14488** TestNo: **E200.8**
Prep Date: **11/22/2021** RunNo: **13326** SeqNo: **371318**
Analysis Date: **11/22/2021**

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead (Pb)	59.1	1	50	7.8	103	69.51	130.49				

Qualifiers:

B	Analyte detected in the associated Method Blank
ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits

ALPHA ANALYTICAL INC.

Alpha Analytical, Inc.
255 Glendale Ave, #21
Sparks, Nevada 89431
TEL: (775) 355-1044 FAX: (775) 355-0406
Website: www.alpha-analytical.com

Definition Only

WO#: **2111657**

Date: **12/1/2021**

Definitions:

ND = Not Detected

C = Reported concentration includes additional compounds uncharacteristic of common fuels and lubricants.

D = Reporting Limits were increased due to high concentrations of non-target analytes.

H = Reporting Limits were increased due to the hydrocarbons present in the sample.

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

K = DRO concentration may include contributions from lighter-end hydrocarbons (e.g. gasoline) that elute in the DRO range.

L = DRO concentration may include contributions from heavier-end hydrocarbons (e.g. motor oil) that elute in the DRO range.

O = Reporting Limits were increased due to sample foaming.

V = Reporting Limits were increased due to high concentrations of target analytes.

X = Reporting Limits were increased due to sample matrix interferences.

Z = DRO concentration may include contributions from lighter-end (e.g. gasoline) and heavier-end (e.g. motor oil) hydrocarbons that elute in the DRO range.

S50 = The analysis of the sample required a dilution such that the surrogate concentration was diluted below the laboratory acceptance criteria. The laboratory control sample was acceptable.

S51 = Surrogate recovery could not be determined due to the presence of co-eluting hydrocarbons.

S52 = Surrogate recovery was above laboratory acceptance limits. Probable matrix effect.

S53 = Surrogate recovery was below laboratory acceptance limits. Probable matrix effect.

S54 = Surrogate recovery was below laboratory acceptance limits.

S55 = Surrogate recovery was above laboratory acceptance limits.

Report CC's Robert Piekarz

WORKORDER SUMMARY

NV

Alpha Analytical, Inc.

255 Glendale Ave, #21 *Sparks, Nevada 89431*

TEL: (775) 355-1044 *FAX: (775) 355-0406*

WorkOrder: NDO2111657
Report Due By: 07-Dec-21
EDD Required: NO

Report Attention: Robert Piekarz

Client:
Nevada DOT Environmental (NDOT)
1263 S. Stewart St.
Carson City, NV 89712

TEL: 7758887692
FAX: 7758887104
ProjectNo: 3932 La Cruz

Date Received: 19-Nov-21

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests							
							METALS_SO							Sample Remarks
NDO2111657-01	Brown Paint	OTHER	11/17/2021 11:00:00 AM	1	0	10	A - Pb							

Comments: Paint Chips

	Signature	Print Name	Company	Date/Time
Logged in by:	Haylee Tilton	Haylee Tilton	Alpha Analytical, Inc.	11/19/21 0838

NOTE: Samples are discarded 60 days after sample receipt unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information:

Company: Nevada Department of Transportation
Attn: Robert Piekarz
Address: 1263 South Stewart
City, State, Zip: Carson City, NV 89712
Phone Number: 775-888-7692 Fax: 775-888-7104

ALPHA ANALYTICAL INC.

Alpha Analytical, Inc.

Main Laboratory: 255 Glendale Ave, Suite 21 Sparks, NV 89431 Phone: 775-355-1044
Fax: 775-355-0406

Satellite Service Centers:

Northern CA: 9891 Horn Road, Suite C, Rancho Cordova, CA 95827 Phone: 916-366-9089
Southern NV: 6255 McLeod Ave, Suite 24, Las Vegas, NV 89120 Phone: 702-736-7522
Southern CA: 1007 E. Dominguez St., Suite O, Carson, CA 90746 Phone: 310-803-7761

Consultant/ Client Info:

Company: As above
Address:
City, State, Zip:

Job and Purchase Order Info:

Job #: N.A.
Job Name: 3932 La Cruz
P.O. #:

Report Attention/Project Manager:

Name: Robert Piekarz
Email Address: rpiekarz@dot.nv.gov
Phone #: 775-888-7692
Cell #:

QC Deliverable Info:

EDD Required? Yes / No EDF Required? Yes / No
Global ID:
Data Validation Level: III or IV

Samples Collected from which State? (circle one) AZ CA NV WA ID OR DOD Site Other

Time Sampled (HHMM)	Date Sampled (MM/DD)	Matrix* (See Key Below)	Lab ID Number (For Lab Use Only)	Sample Description	TAT	Field Filtered?	# Containers** (See Key Below)	Analysis Requested: Lead, totals											Remarks
11:00	11/17	OT	NDO211657-01	Brown Paint	STD	No	1-OT	X											

ADDITIONAL INSTRUCTIONS:

I (field sampler) attest to the validity and authenticity of this sample(s). I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. NAC 445.0636 (c) (2).

Sampled By: RP

Relinquished by: (Signature/Affiliation):	Date:	Time:	Received by: (Signature/Affiliation):	Date:	Time:
RP NDOT	11/19/21	08:00	Haylin Tilton	11/19/21	0800
Relinquished by: (Signature/Affiliation):	Date:	Time:	Received by: (Signature/Affiliation):	Date:	Time:
Relinquished by: (Signature/Affiliation):	Date:	Time:	Received by: (Signature/Affiliation):	Date:	Time:

* Key: AQ - Aqueous WA - Waste OT - Other **: L - Liter V - VOA S-Soil Jar O - Orbo T - Tedlar B - Brass P - Plastic OT - Other

NOTE: Samples are discarded 60 days after sample receipt unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.

Appendix D

Inspector Certifications and Licenses

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

Certifies That Robert Piekarz
State of Nevada-DOT
is Licensed As Asbestos Abatement Consultant

License No. IJ-1049 Expiration Date 11/24/2021

Signature Of Licensee

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

Certifies That Robert Piekarz
State of Nevada-DOT
is Licensed As Asbestos Abatement Consultant

License No. IJ-1049 Expiration Date 11/24/2021

Signature Of Licensee

M & C Environmental Training

Asbestos Inspector

Refresher Training Course

Robert Piekarz

Has successfully completed the Asbestos Inspector Refresher course approved by the California Division of Occupational Safety and Health for purposes of certification required by Title 8, Article 2.7, Chapter 3.2, Section 341.16 and the accreditation required under the Toxic Substances Control Act, Title II. Conducted by M&C Environmental Training Inc., P.O. Box 6419, Concord, California Tel. # (510 499-5646

Course Approval Number: CA-003-06

Location:	**Concord, California**	**Expiration: November 24, 2021**
Dates:	**November 24, 2020**	
Director of Training: John McGinnis		

Certificate Number **48309 IR**

M & C Environmental Training

Asbestos Management Planner

Refresher Training Course

Robert Piekarz

Has successfully completed the Asbestos Management Planner Refresher course approved by the California Division of Occupational Safety and Health for purposes of certification required by Title 8, Article 2.7, Chapter 3.2, Section 341.16 and the accreditation required under the Toxic Substances Control Act, Title II. Conducted by M&C Environmental Training Inc., P.O. Box 6419, Concord, California. Tel. # (510) 499 - 5646

Course Approval Number: CA-003-08

Location:	**Concord, California**	**Expiration: November 24, 2021**
Dates:	**November 24, 2020**	
Director of Training: John McGinnis		

Certificate Number **48327 PR**