



XRF Research, Inc.

Asbestos Survey Report



Address: 3291 Buckman Springs Road, Pine Valley, CA 91962
Prepared by: XRF Research, Inc.
Client: Mountain Empire Unified School District
Date of Report: December 16, 2022
Date of Inspection: November 29, 2022
Consultant: Dylan Victor, CA Cert. Asbestos Consult. #22-7071
Hygienist: Diego Cruz-Baker, CA CSST #18-6191
Hygienist: Paul Rozzi, CA CSST #10-4618



XRF Research, Inc.

December 16, 2022

Angie Good, Mountain Empire Unified School District

Re: Asbestos Survey of 3291 Buckman Springs Road, Pine Valley, CA 91962,
limited to: Building C and Bungalows P1-P4

Dear Ms. Good,

Per your request, representatives of XRF Research, Inc., performed a survey, limited to the above buildings, on November 29, 2022, in advance of renovations. Sampling was limited to visible and accessible areas. The samples were submitted to EM Lab P&K Laboratories for analysis utilizing Polarized Light Microscopy (EPA Method 600/R-93/116.).

The enclosed report contains a detailed description of the components tested, sampling locations, methods and recommendations.

In summary, the laboratory results indicate that asbestos was detected in Building C only in the following components:

- *Orange 12"x 12" Vinyl Floor Tile and Mastic (2% Chrysotile in tile only)*
- *Multi-colored Vinyl Floor Tile and Mastic (2% Chrysotile in tile only)*

If you have any questions regarding these findings, please contact our office, or me at 858-243-5415.

Sincerely,

Dylan Victor, California Certified Asbestos Consultant #22-7071



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1.0 Executive Summary. *This document is prepared for the sole use of the property owner/client and any regulatory agencies that are directly involved in this project. No other party should rely on the information contained herein without written consent of the Owner/ Client.*

XRF Research, Inc. conducted an Asbestos Survey of the commercial property identified as 3291 Buckman Springs Road, Pine Valley, CA 91962, limited to: Building C and Bungalows P1-P4, on November 29, 2022 (*see aerial view in §3.0 showing building locations*). Building C (unoccupied) was formerly the school district office and was apparently built between 1985-1992 per historicaerials.com. The bungalows were operating classrooms at the time of inspection. Bungalow P1 was apparently built between 1996-2002 while Bungalows P2-P4 were apparently built between 1982-1992 per historicaerials.com.

In accordance with Title 8, §1529, surveys are to be conducted by a California Certified Asbestos Consultant (CAC) or Certified Site Surveillance Technician (CSST) under the supervision of a CAC. Dylan Victor, a California Certified Asbestos Consultant (ID #22-7071) conducted this survey, with assistance from Diego Cruz-Baker (CSST ID #18-6191) and Paul Rozzi (CSST ID #10-4618). According to the regulations, once a material has been identified as a suspect asbestos containing material, the inspector must perform one of the following: (1) Assume the material to be asbestos and therefore handled as asbestos by facility maintenance personnel, or (2) Collect samples to identify the material was asbestos.

Suspect asbestos containing materials were identified and collected 89 samples and submitted to EMLab P&K for analysis utilizing Polarized Light Microscopy (EPA Method 600/R-93/116). The suspect components included:

- Drywall and Joint Compound
- Vinyl Floor Tile
- Vinyl Sheet Flooring
- Laminate Vinyl Floor

- Wall Panel Mastic
- Wall Mastic
- Cove base and Mastic
- Carpet and Mastic
- Ceramic Tile and Grout
- Leveling Compound
- Concrete Foundation
- Ceiling Tiles
- Exterior Wood Panel Siding Mastic
- HVAC Vibration Dampener
- Roof Core
- Penetration Mastic
- HVAC Seam Compound
- HVAC Putty
- Exterior Vapor Barrier

The results are summarized in Table 1, below. **In Summary: Chrysotile Asbestos was detected on:**

- **Orange 12"x 12" Vinyl Floor Tile and Mastic (2% Chrysotile in tile only)**
 - Locations; Building C: IT closet, Storage, and Janitor's closet
 - Approximate square footage: ~ 100
- **Multi-colored Vinyl Floor Tile and Mastic (2% Chrysotile in tile only)**
 - Locations; Building C: Room-9 and Room-12
 - Approximate square footage: ~ 700

****Note:** *If these floor tiles, or any others that weren't sampled are discovered underneath any additional carpeted areas during demolition, they are to be treated as asbestos containing.*



Table 1. Materials Tested for the Presence of Asbestos

ID	Location	Suspect Asbestos-Containing Material	Result*
1-7	Building C, Throughout except bathrooms	Unfinished Drywall and Joint Compound	NEG (ND)
8-10	Building C, Bathrooms 1-4	Smooth Textured Drywall, Tape, Joint Compound	NEG (ND)
11-12	Building C, Janitors closet	Wall Panel Mastic	NEG (ND)
13-14	Building C, Hallways	Brown Wall Mastic	NEG (ND)
15-16	Building C, Room 7,9, 12, IT closet, Storage	Black Cove Base and Beige Mastic	NEG (ND)
17-18	Building C, Hallway Entrances	Beige with Green Specks Vinyl Sheet Flooring and Mastic	NEG (ND)
19-20	Building C, IT closet, Storage, Janitors closet	Orange 12"x12" Vinyl Floor Tile and Mastic	POS (2%) §
21-22	Building C, SW Hallway entrance, Storage	Multi-Brown Laminate Vinyl Floor	NEG (ND)
23-24	Building C, Room 9, 12	Multi-Colored Vinyl Floor Tile and Mastic	POS (2%) §
25-26	Building C, East N-S Hallway	Gray with Dark Specks Vinyl Sheet Flooring and Mastic	NEG (ND)
27-28	Building C, Bathroom-1, Bathroom-2	Gray Vinyl Sheet Flooring and Mastic	NEG (ND)
29-30	Building C, Bathroom-3, Bathroom-4	Gray Ceramic Tile and Grout	NEG (ND)
31-32	Building C, Hallways	Leveling Compound	NEG (ND)



33-34	Building C, Throughout	Carpet Mastic and Concrete Foundation	NEG (ND)
35-36	Building C, Throughout	2'x4' Ceiling Tiles	NEG (ND)
37-38	Building C, Exterior walls	Wood Wall Panel Mastic	NEG (ND)
39-40	Building C, Roof	HVAC Vibration Dampener	NEG (ND)
41-42	Building C, Roof	Shingle Roof Core	NEG (ND)
43-44	Building C, Roof	Tar and Gravel Roof Core	NEG (ND)
45-46	Building C, Roof	Penetration Mastic	NEG (ND)
47-48	Building C, Roof	HVAC Seam Compound	NEG (ND)
49-50	Building C, Roof	HVAC Putty	NEG (ND)
51-52	Bungalow P1, Room-1	Carpet Mastic	NEG (ND)
53-54	Bungalow P1, Bathroom-1	Wall Panel Mastic	NEG (ND)
55-56	Bungalow P1, Room-1	Black Cove Base and Mastic	NEG (ND)
57-58	Bungalow P1, Bathroom-1	Gray Vinyl Sheet Flooring and Mastic	NEG (ND)
59-60	Bungalow P1, Roof	Rolled Roofing Core	NEG (ND)
61-62	Bungalow P1, Exterior Walls	Exterior Vapor Barrier	NEG (ND)
63-64	Bungalow P2, Room-1	2'x4' Ceiling Tiles	NEG (ND)
65-66	Bungalow P2, Room-1	Carpet Mastic	NEG (ND)
67-68	Bungalow P2, Room-1	Black Cove Base and Mastic	NEG (ND)
69-70	Bungalow P2, Exterior Walls	Exterior Vapor Barrier	NEG (ND)
71-73	Bungalow P3, Room-1	Drywall and Joint Compound	NEG (ND)



74-75	Bungalow P3, Room-1	Black Cove Base and Mastic	NEG (ND)
76-77	Bungalow P3, Room-1	Carpet Mastic	NEG (ND)
78-79	Bungalow P3, Exterior Walls	Exterior Vapor Barrier	NEG (ND)
80-81	Bungalow P3, Roof	Rolled Roof Core	NEG (ND)
82-83	Bungalow P4, Room-1	2'x4' Ceiling Tiles	NEG (ND)
84-85	Bungalow P4, Room-1	Black Cove Base and Mastic	NEG (ND)
86-87	Bungalow P4, Room-1	Carpet Mastic	NEG (ND)
88-89	Bungalow P4, Exterior Walls	Exterior Vapor Barrier	NEG (ND)

§Chrysotile asbestos detected in the Vinyl Floor Tiles only



2.0 Observations, Assumptions and Recommendations.

Observations:

Building C

- This commercial building was unoccupied with signs of damage throughout (Picture, §6.0-a)
- Carpet floors were present throughout the building except in the closets and bathrooms. Concrete was observed beneath the carpet flooring
- Multi-colored vinyl floor tiles were observed beneath the carpet flooring in Room 9 and Room 12.
 - *This component contained 2% chrysotile asbestos* (Picture, §6.0-b)
- Beige with green specks vinyl sheet flooring observed at the hallway entrances.
- Orange 12"x12" vinyl floor tiles observed in the janitor's closet, IT closet, and storage.
 - *This component contained 2% chrysotile asbestos* (Picture, §6.0-c)
- Gray with dark specks vinyl sheet flooring observed under water fountain in east N-S hallway.
- Gray vinyl sheet flooring was observed in Bathroom-1 and Bathroom-2.
- Gray ceramic tile flooring was observed in Bathroom-3 and Bathroom-4.
- Unfinished drywall and joint compound walls were observed throughout except the bathrooms.
- Smooth textured drywall and joint compound walls was observed in all 4 bathrooms.
- 2'x4' acoustic ceiling tiles were observed throughout except the bathrooms.
- Fiberglass insulation was observed above the plenum space and was not sampled as this is not a suspect material.
- The HVAC ducts were clean metal with fiberglass insulation and were not sampled as this is not a suspect material.



- Black cove base was observed in Rooms 7,9,12, IT closet and storage. The remaining rooms did not have any cove base.
- Brown cove base mastic residue was seen on the walls in the hallways.
- The exterior walls were faux stone wood wall panels and had mastic underneath them.
- The roof system was a flat, tar and gravel roof, with several HVAC systems present.
- Separate roofs built out on the east and west portions of the roof were observed to be asphalt shingle.
- The HVAC systems on the roof had beige seam compound on them. Black penetration mastic was observed on the penetrations near the HVAC units. The HVAC units had a fibrous vibration dampener on them.

Bungalow P1

- Exterior walls were observed to be wood with vapor barrier underneath. (Picture, §6.0-d)
- The structure was observed to be sitting on wooden stilts foundation.
- The interior was one large room with 2 bathrooms separate from the room (*Bathroom-2 was inaccessible at time of inspection*).
- Bathroom-1 had plastic wall paneling with mastic and the floors were vinyl sheet flooring.
- Room-1 had wood walls, carpet flooring with mastic, and cove base with mastic on the walls.
- 2'x4' acoustic ceiling tiles were observed in Room-1.
- Fiberglass insulation was observed above the plenum space and was not sampled as this is not a suspect material.
- The roof system was a rolled asphalt roof.



Bungalow P2

- Exterior walls were observed to be wood with vapor barrier underneath.
- The structure was observed to be sitting on wooden stilts foundation.
- The interior was one large room with carpet flooring and mastic, and a wood subfloor underneath.
- The interior walls were wood. Black cove base with mastic was observed on the walls.
- 2'x4' acoustic ceiling tiles were observed. Fiberglass insulation was observed in the plenum space and was not sampled as this is not a suspect material.
- The roof was metal with no penetrations and was not sampled as there were no observable suspect materials.

Bungalow P3

- Exterior walls were observed to be wood with vapor barrier underneath.
- The structure was observed to be sitting on wooden stilts foundation.
- The interior walls were drywall. Black cove base with mastic was observed on the walls.
- The flooring was carpeted with mastic and a wood subfloor underneath.
- The ceiling system was a compressed wood ceiling system.
 - *Inspectors were unable to verify what was above the compressed wood ceiling without extensive damage. It may contain mastic on the backside of the ceiling panels which would assume to contain asbestos unless otherwise sampled and confirmed by laboratory analysis. Exploratory methods may be needed before demolition.*



- The roof system was a rolled asphalt roof with no penetrations.

Bungalow P4

- Exterior walls were observed to be wood with vapor barrier underneath.
- The structure was observed to be sitting on wooden stilts foundation.
- Fiberglass insulation above the ceiling and all wood.
- The interior walls were wood. Black cove base with mastic was observed on the walls.
- The flooring was carpet with mastic and wood underneath.
- 2'x4' acoustic ceiling tiles were observed. Fiberglass insulation was observed above the plenum space and was not sampled as this is not a suspect material.
- The roof system was metal with no penetrations and was not sampled as there were no observable suspect materials.

Limitations

- Samples were collected from visible and accessible areas only. No destructive sampling or excavation was included as part of the survey for the bungalows.
 - *Asbestos-containing materials may exist underneath components or surfaces that could not be damaged during inspection.*
 - *Bathroom-2 in Bungalow P1 was inaccessible during the survey and is unknown if it has asbestos containing materials.*

Assumptions

- No materials were assumed to contain asbestos; i.e., suspect materials that were found were tested

Recommendations

- If asbestos-containing materials are to be disrupted or removed as part of demolition, renovation or building repairs, the work should only be done by personnel or contractors who are appropriately trained and licensed. Measures should be taken to control emissions of asbestos fibers that include, but are not limited to use of containment, wet methods, HEPA vacuum and air filtration systems, and deactivation/isolation of HVAC systems. Relevant regulations include EPA (40 CFR 61.145-Standard for Demolition and Renovation), OSHA 3096 (Asbestos Standards for the Construction Industry) and California Code of Regulations, Title 8, Section 1529 Asbestos, and Subchapter 4. Construction Safety Orders
- Further, if asbestos-containing materials are disturbed during renovation, in addition to being licensed to work with asbestos, the contractor should be registered with DOSH (The California Department of Occupational Safety and Health).
- Per California Law (California Health and Safety Code 25915-25919.7), a building owner is required to provide tenant, employee and vendor notification within 15 days of receipt of information identifying the presence of asbestos-containing materials in their buildings, and annually thereafter.
- If pipe insulation or other suspect materials are discovered in the course of demolition, that were inaccessible at the time of the survey, the material should be sampled for the presence of asbestos.
- For materials found to contain “<1%” asbestos, they can be optionally tested to determine if they contain 0.1% or less of asbestos, in a process called Point Counting. Disturbing materials that contain >0.1% asbestos require that the contractor be licensed to work with asbestos, but this is not true for materials that contain 0.1% or less of asbestos.



3.0. Schematic Drawings

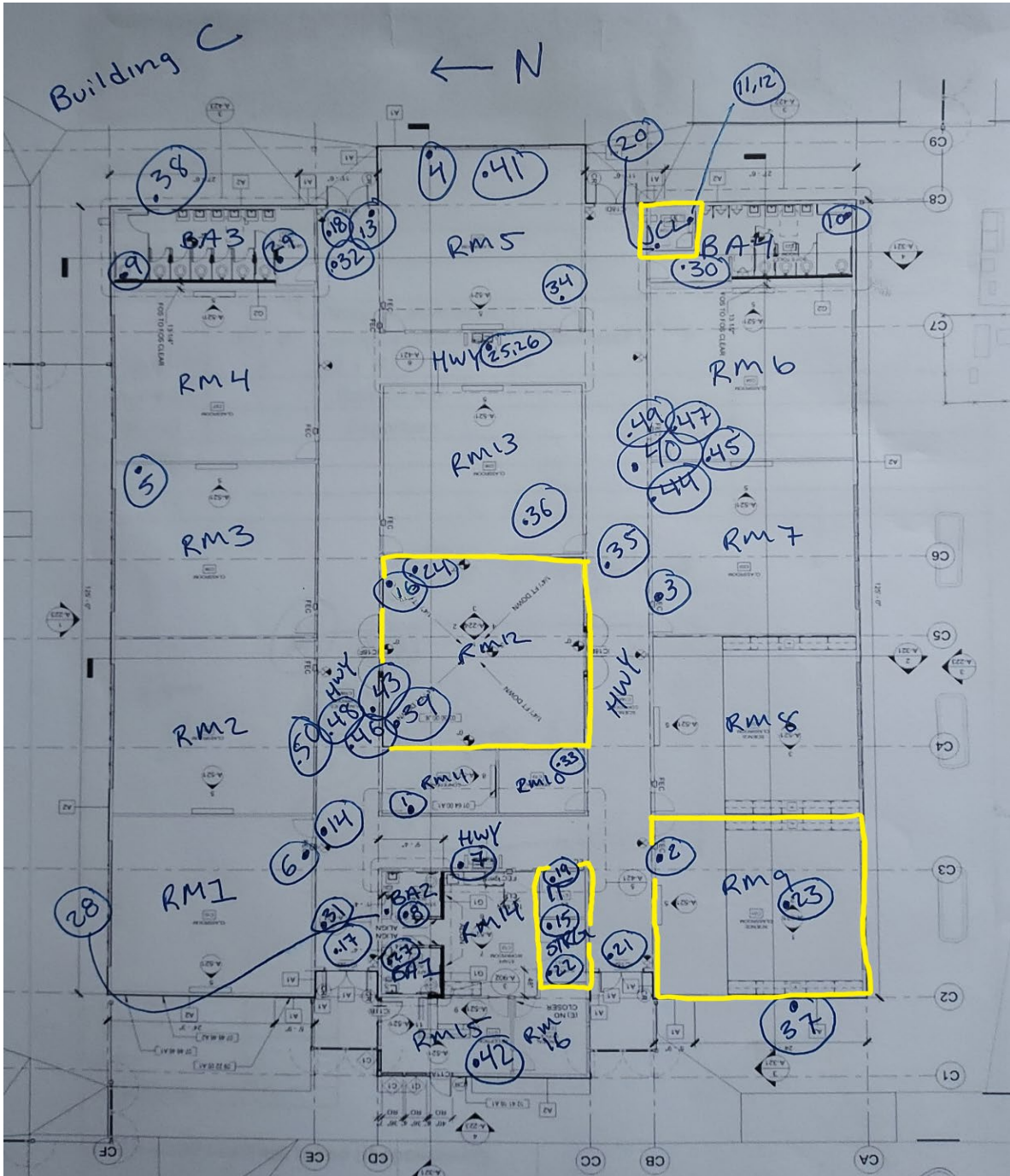
Figure 1. The Diagram below shows the approximate floor plan.

Overview of the buildings inspected



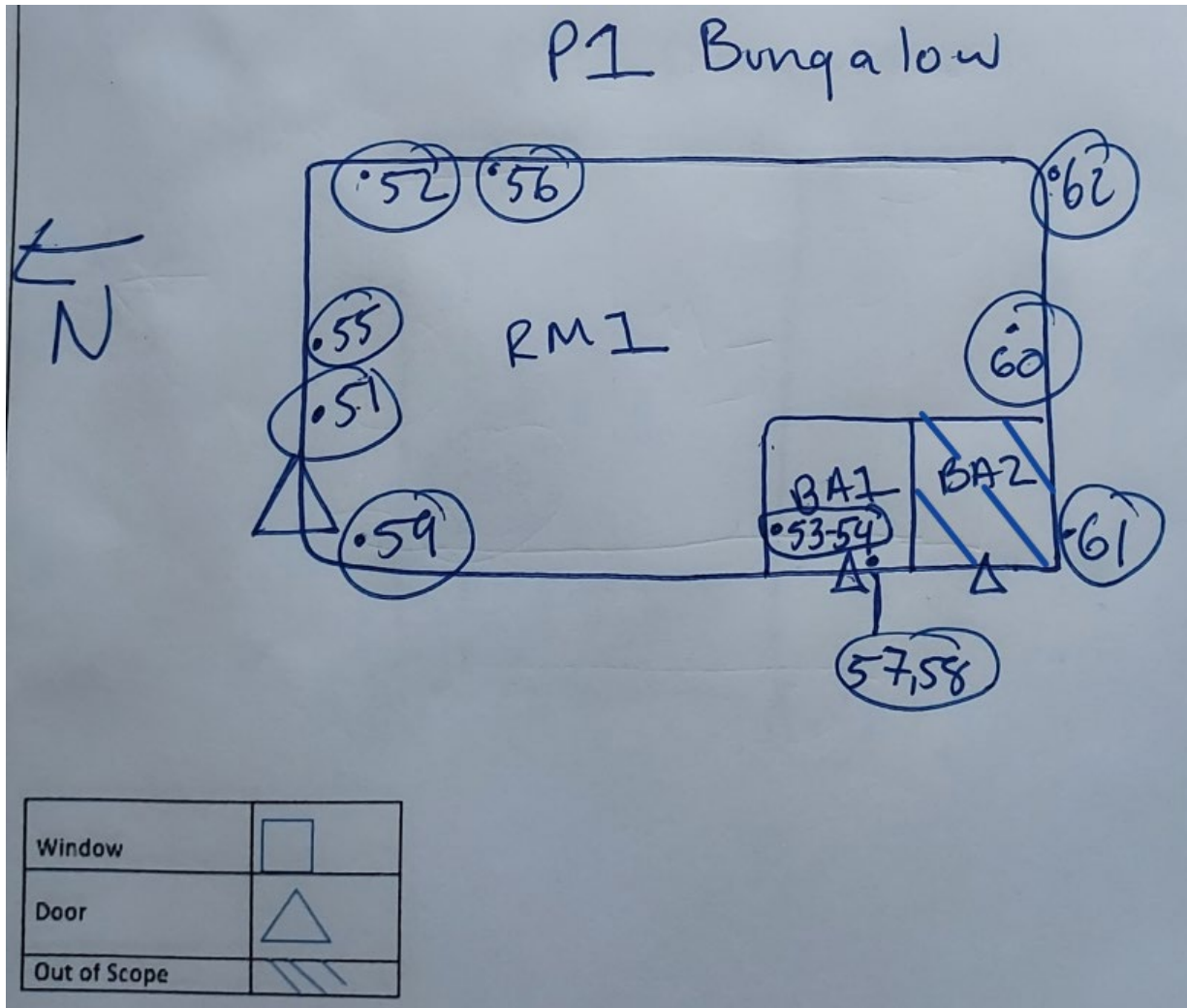


Building C floorplan (with approximate sample locations). Rooms highlighted in yellow contain the asbestos containing floor tiles.



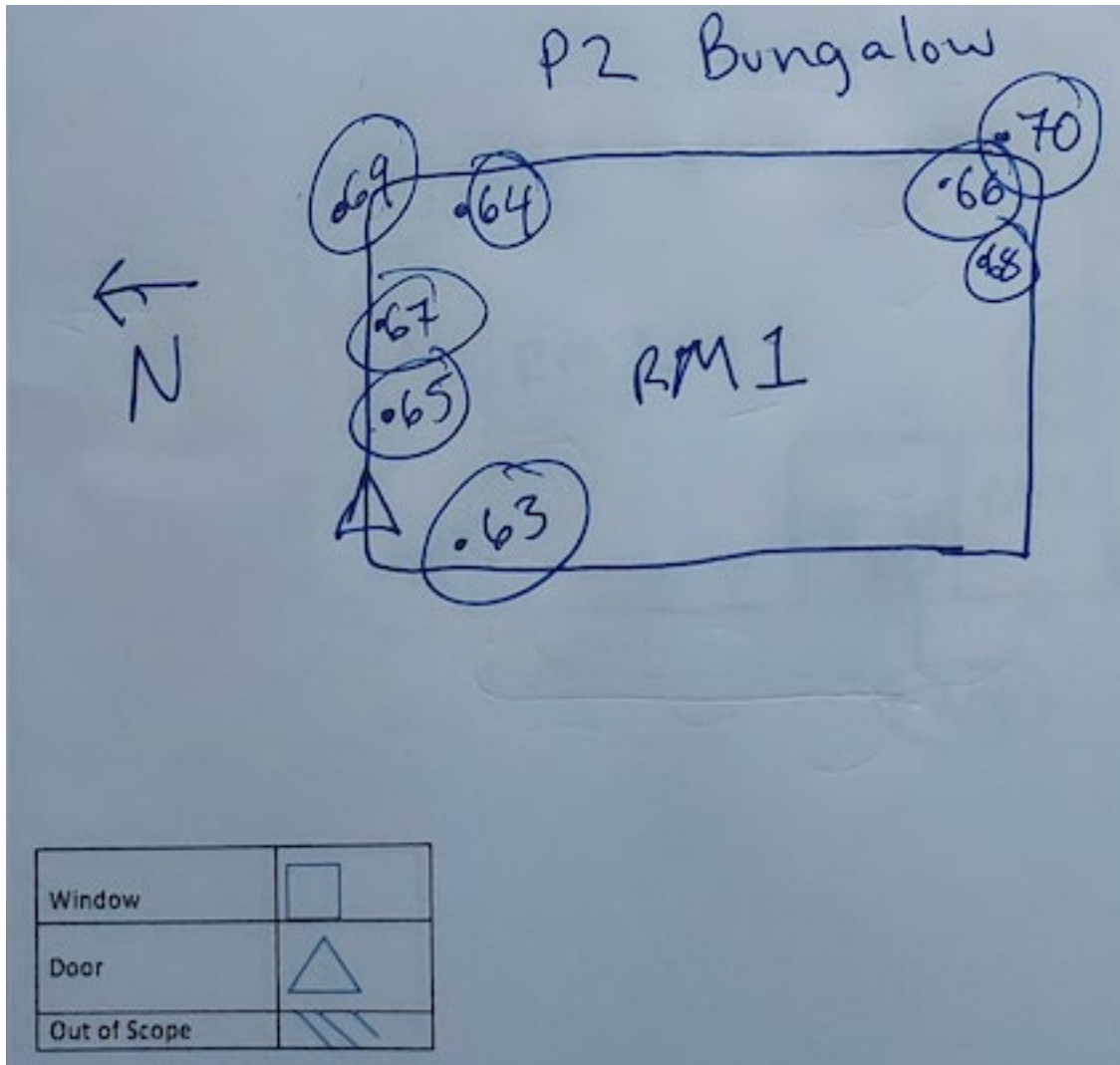


Bungalow P1 floorplan (with approximate samples locations).



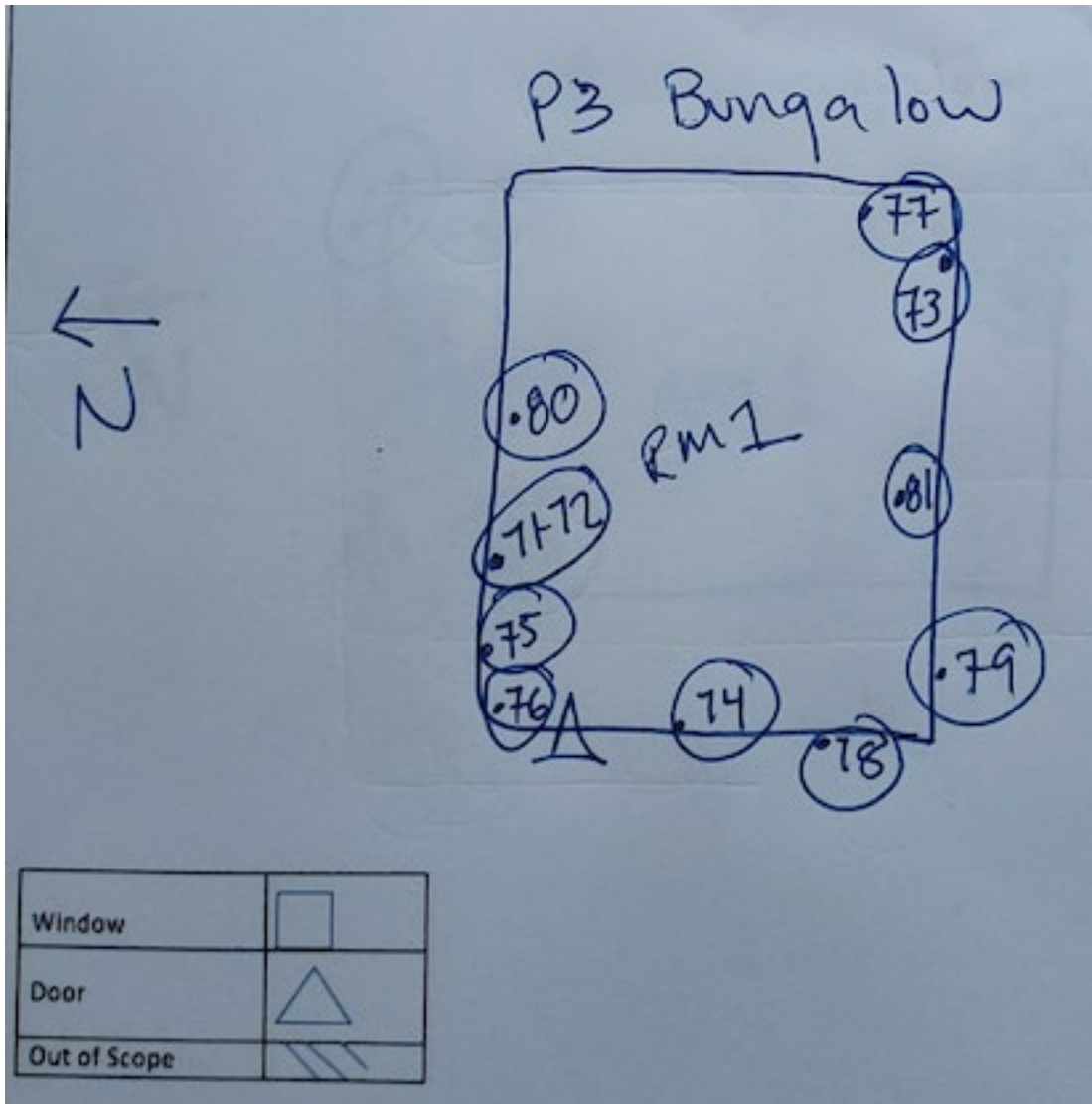


Bungalow P2 floorplan (with approximate samples locations).



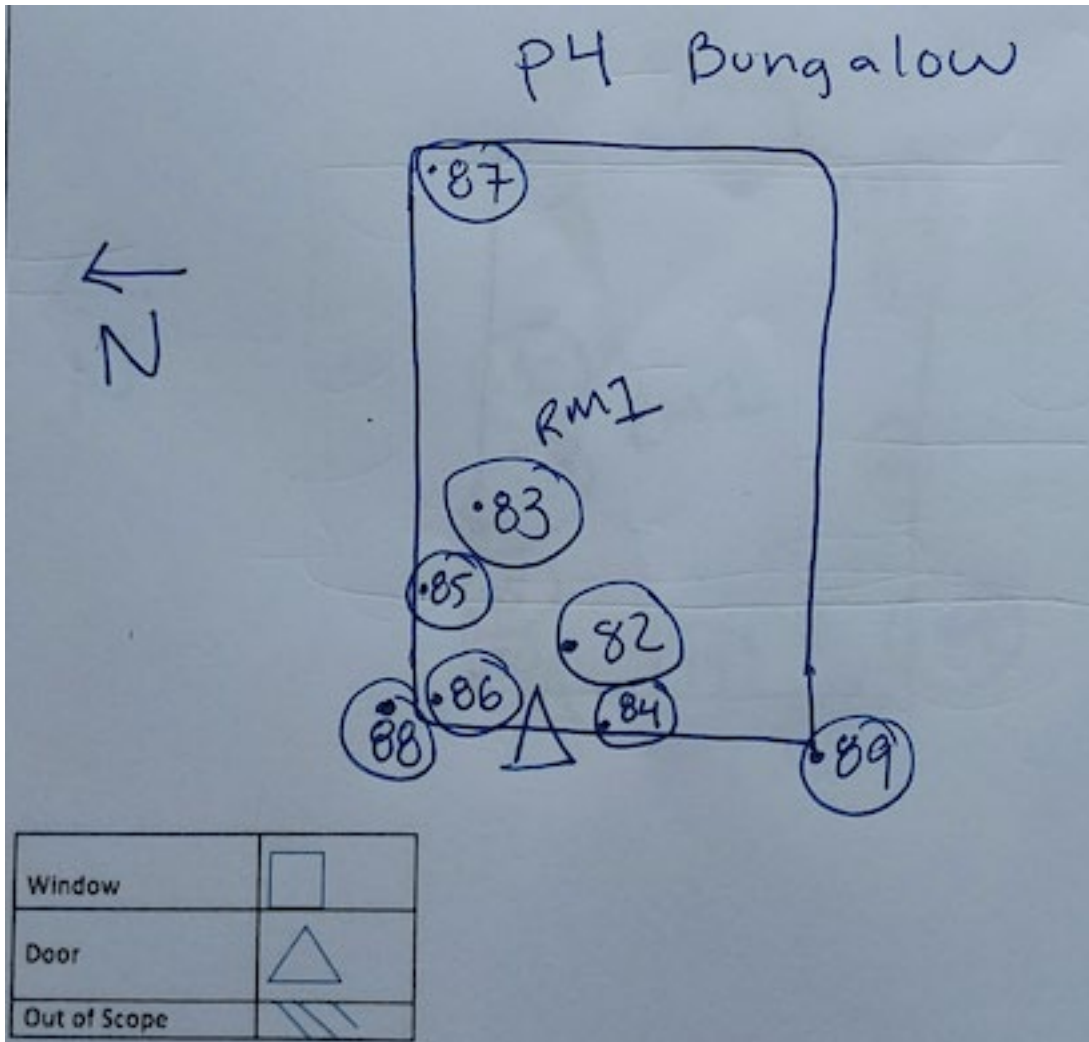


Bungalow P3 floorplan (with approximate samples locations).





Bungalow P4 floorplan (with approximate samples locations).



4.0. Asbestos Sampling and Analysis

Asbestos Sampling

Bulk sampling of homogeneous areas containing suspect ACM was conducted at the survey site. A homogeneous area is defined as an area of surfacing material, thermal system insulation material or miscellaneous material that is uniform in appearance, color and texture, and was applied at the same time.

Prior to collection of friable materials, when relevant, the sample location was sprayed with amended water (surfactant added) to minimize fiber release and to soften the building material being sampled. Bulk materials were sampled from the center of the wetted area. After the sample was taken, the bulk material was placed in a sample bag which was sealed to prevent escape or contamination of outside sources. A unique sample number was assigned to each sample and the sample bag was labeled with that number.

Asbestos Sample Analysis

Asbestos includes chrysotile, amosite, crocidolite, anthophyllite, tremolite and actinolite (fibrous minerals). The analytical report relates only to the samples tested. Analysis for asbestos utilized the analytical methodology Polarized Light Microscopy/Dispersion Staining EPA Method 600/R-93/116. The reliable limit of detection of this method is one percent (1%) asbestos content. If less than 1% asbestos is present in the sample submitted, the results are reported as Trace. When no asbestos is detected in the sample submitted, the results are reported as None Detected (ND). If a sample contains greater than 1% asbestos, it is considered to be an asbestos-containing material by the Environmental Protection Agency (EPA) and the Occupational Safety and Health Administration (OSHA). Under the California Occupational Safety and Health Administration (CAL-OSHA), materials greater than 0.1% in asbestos content are considered asbestos containing construction materials (ACCM).



5.0. Certifications.

State of California
Division of Occupational Safety and Health
Certified Site Surveillance Technician

Diego J Cruz-Baker

Name



Certification No. 18-6191

Expires on 03/14/23

This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7180 et seq. of the Business and Professions Code.

State of California
Division of Occupational Safety and Health
Certified Site Surveillance Technician

Paul L. Rozzi

Name



Certification No. 10-4618

Expires on 05/19/23

This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7180 et seq. of the Business and Professions Code.

State of California
Division of Occupational Safety and Health
Certified Asbestos Consultant

Dylan K. Victor

Name



Certification No. 22-7071

Expires on 04/22/23

This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7180 et seq. of the Business and Professions Code.

6.0. Pictures

a) Unfinished drywall in building C





b) Multi-colored vinyl floor tiles in Building C, Room-9 and Room-12

Notes:

- 1) These vinyl floor tiles were found to contain asbestos.*
- 2) The vinyl floor tiles were found to be damaged and debris was observed in these rooms upon initial inspection.*





XRF Research, Inc.

c) Orange 12"x12" vinyl floor tiles in the janitor's closet, IT closet and storage in Building C were found to contain asbestos.





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d) Exterior of Bungalow P1





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Attachment I

Laboratory Data

Report for:

Mr. Javier Gonzalez
XRF Research Inc.
9921 Carmel Mountain Rd. #326
San Diego, CA 92129

Regarding: Eurofins EPK Built Environment Testing, LLC
Project: 3291 Buckman Springs Road, Pine Valley, CA; Asbestos Survey
EML ID: 3096821

Approved by:

Dates of Analysis:
Asbestos PLM: 12-05-2022



Approved Signatory
Roshanak Kalantari

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 200945-0

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 EPK Built Environment Testing, LLC ("the Company"), a member of the Eurofins Built Environment Testing group of companies, 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: XRF Research Inc.
 C/O: Mr. Javier Gonzalez
 Re: 3291 Buckman Springs Road, Pine Valley, CA;
 Asbestos Survey

Date of Sampling: 11-29-2022
 Date of Receipt: 11-30-2022
 Date of Report: 12-05-2022

ASBESTOS PLM REPORT

Total Samples Submitted:	89
Total Samples Analyzed:	89
Total Samples with Layer Asbestos Content > 1%:	4

Location: 1, Building C, Unfinished Drywall/Joint Compound, Room 11, W Wall

Lab ID-Version‡: 14950938-1

Sample Layers	Asbestos Content
White Texture	ND
Cream Tape	ND
White Joint Compound	ND
White Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	15% Cellulose
Sample Composite Homogeneity:	Moderate

Location: 2, Building C, Unfinished Drywall/Joint Compound, Room 9, N Wall

Lab ID-Version‡: 14950939-1

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

Location: 3, Building C, Unfinished Drywall/Joint Compound, Room 7, N Wall

Lab ID-Version‡: 14950940-1

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

Location: 4, Building C, Unfinished Drywall/Joint Compound, Room 5, E Wall

Lab ID-Version‡: 14950941-1

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

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. The Company 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".

Client: XRF Research Inc.
 C/O: Mr. Javier Gonzalez
 Re: 3291 Buckman Springs Road, Pine Valley, CA;
 Asbestos Survey

Date of Sampling: 11-29-2022
 Date of Receipt: 11-30-2022
 Date of Report: 12-05-2022

ASBESTOS PLM REPORT

Location: 5, Building C, Unfinished Drywall/Joint Compound, Room 3, E Wall

Lab ID-Version‡: 14950942-1

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

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 C/O: Mr. Javier Gonzalez
 Re: 3291 Buckman Springs Road, Pine Valley, CA;
 Asbestos Survey

Date of Sampling: 11-29-2022
 Date of Receipt: 11-30-2022
 Date of Report: 12-05-2022

ASBESTOS PLM REPORT

Location: 6, Building C, Unfinished Drywall/Joint Compound, Room 1, S Wall

Lab ID-Version‡: 14950943-1

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

Location: 7, Building C, Unfinished Drywall/Joint Compound, West N-S Hallway, W Wall

Lab ID-Version‡: 14950944-1

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

Location: 8, Building C, Smooth Texture/Brown Drywall/Joint Compound, Bathroom-2, W Wall

Lab ID-Version‡: 14950945-1

Sample Layers	Asbestos Content
White Texture	ND
Cream Tape	ND
White Joint Compound	ND
Brown Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	15% Cellulose
Sample Composite Homogeneity:	Moderate

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 C/O: Mr. Javier Gonzalez
 Re: 3291 Buckman Springs Road, Pine Valley, CA;
 Asbestos Survey

Date of Sampling: 11-29-2022
 Date of Receipt: 11-30-2022
 Date of Report: 12-05-2022

ASBESTOS PLM REPORT

**Location: 9, Building C, Smooth Texture/Brown Drywall/Joint Compound, Bathroom-3,
 NW Corner**

Lab ID-Version‡: 14950946-1

Sample Layers	Asbestos Content
White Texture	ND
Cream Tape 1	ND
White Joint Compound 1	ND
Cream Tape 2	ND
White Joint Compound 2	ND
Cream Tape 3	ND
White Joint Compound 3	ND
Brown Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	20% Cellulose
Sample Composite Homogeneity:	Moderate

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. The Company 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.

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Client: XRF Research Inc.
 C/O: Mr. Javier Gonzalez
 Re: 3291 Buckman Springs Road, Pine Valley, CA;
 Asbestos Survey

Date of Sampling: 11-29-2022
 Date of Receipt: 11-30-2022
 Date of Report: 12-05-2022

ASBESTOS PLM REPORT

Location: 10, Building C, Smooth Texture/Brown Drywall/Joint Compound, Bathroom-4, SE Corner

Lab ID-Version‡: 14950947-1

Sample Layers	Asbestos Content
White Texture	ND
Cream Tape	ND
White Joint Compound	ND
Brown Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	15% Cellulose
Sample Composite Homogeneity:	Moderate

Location: 11, Building C, Wall Panel Mastic (Yellow), Janitors Closet

Lab ID-Version‡: 14950948-1

Sample Layers	Asbestos Content
Yellow Mastic	ND
Sample Composite Homogeneity:	Good

Location: 12, Building C, Wall Panel Mastic (Yellow), Janitors Closet

Lab ID-Version‡: 14950949-1

Sample Layers	Asbestos Content
Yellow Mastic	ND
Sample Composite Homogeneity:	Good

Location: 13, Building C, (Brown) Wall Mastic, North E-W Hallway, E Wall

Lab ID-Version‡: 14950950-1

Sample Layers	Asbestos Content
Brown Mastic	ND
Sample Composite Homogeneity:	Good

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 C/O: Mr. Javier Gonzalez
 Re: 3291 Buckman Springs Road, Pine Valley, CA;
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Date of Sampling: 11-29-2022
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 Date of Report: 12-05-2022

ASBESTOS PLM REPORT

Location: 14, Building C, (Brown) Wall Mastic, West N-S Hallway, N Wall

Lab ID-Version‡: 14950951-1

Sample Layers	Asbestos Content
Brown Mastic	ND
Sample Composite Homogeneity: Good	

Location: 15, Building C, Black Covebase/Beige Mastic, Storage Room

Lab ID-Version‡: 14950952-1

Sample Layers	Asbestos Content
Black Baseboard	ND
Beige Mastic	ND
Sample Composite Homogeneity: Moderate	

Location: 16, Building C, Black Covebase/Beige Mastic, Room 12

Lab ID-Version‡: 14950953-1

Sample Layers	Asbestos Content
Black Baseboard	ND
Beige Mastic	ND
Sample Composite Homogeneity: Moderate	

Location: 17, Building C, Beige w/Green Specks VSF/Yellow Mastic, NW Hallway Entrance

Lab ID-Version‡: 14950954-1

Sample Layers	Asbestos Content
Beige Sheet Flooring with Fibrous Backing	ND
Yellow Mastic	ND
Composite Non-Asbestos Content:	20% Cellulose 7% Synthetic Fibers
Sample Composite Homogeneity: Good	

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ASBESTOS PLM REPORT

Location: 18, Building C, Beige w/Green Specks VSF/Yellow Mastic, NE Hallway Entrance

Lab ID-Version‡: 14950955-1

Sample Layers	Asbestos Content
Beige Sheet Flooring with Fibrous Backing	ND
Yellow Mastic	ND
Composite Non-Asbestos Content:	20% Cellulose 7% Synthetic Fibers
Sample Composite Homogeneity:	Good

Location: 19, Building C, Orange 12x12 VFT/Black Mastic, IT Closet

Lab ID-Version‡: 14950956-1

Sample Layers	Asbestos Content
Orange Floor Tile	2% Chrysotile
Black Mastic	ND
Composite Non-Asbestos Content:	2% Polyethylene
Sample Composite Homogeneity:	Moderate

Location: 20, Building C, Orange 12x12 VFT/Black Mastic, Janitors Closet

Lab ID-Version‡: 14950957-1

Sample Layers	Asbestos Content
Orange Floor Tile	2% Chrysotile
Black Mastic	ND
Composite Non-Asbestos Content:	2% Polyethylene
Sample Composite Homogeneity:	Moderate

Location: 21, Building C, Multi-Brown Laminate Vinyl Floor, SW Hallway Entrance

Lab ID-Version‡: 14950958-1

Sample Layers	Asbestos Content
Brown Flooring	ND
Composite Non-Asbestos Content:	5% Glass Fibers
Sample Composite Homogeneity:	Good

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ASBESTOS PLM REPORT

Location: 22, Building C, Multi-Brown Laminate Vinyl Floor, Storage Room

Lab ID-Version‡: 14950959-1

Sample Layers	Asbestos Content
Brown Flooring	ND
Composite Non-Asbestos Content:	5% Glass Fibers
Sample Composite Homogeneity:	Good

Location: 23, Building C, Carpet Mastic/Multi-Color 12x12 VFT/Black Mastic, Room 9

Lab ID-Version‡: 14950960-1

Sample Layers	Asbestos Content
Yellow Mastic	ND
Multicolored Floor Tile	2% Chrysotile
Black Mastic	ND
Composite Non-Asbestos Content:	2% Polyethylene
Sample Composite Homogeneity:	Moderate

Location: 24, Building C, Carpet Mastic/Multi-Color 12x12 VFT/Black Mastic, Room 12

Lab ID-Version‡: 14950961-1

Sample Layers	Asbestos Content
Yellow Mastic	ND
Multicolored Floor Tile	2% Chrysotile
Black Mastic	ND
Composite Non-Asbestos Content:	2% Polyethylene
Sample Composite Homogeneity:	Moderate

Location: 25, Building C, Gray w/Dark Specks VSF/Yellow Mastic, East N-S Hallway

Lab ID-Version‡: 14950962-1

Sample Layers	Asbestos Content
Gray Sheet Flooring with Fibrous Backing	ND
Yellow Mastic	ND
Composite Non-Asbestos Content:	20% Cellulose
Sample Composite Homogeneity:	Moderate

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ASBESTOS PLM REPORT

Location: 26, Building C, Gray w/Dark Specks VSF/Yellow Mastic, East N-S Hallway Lab ID-Version‡: 14950963-1

Sample Layers	Asbestos Content
Gray Sheet Flooring with Fibrous Backing	ND
Yellow Mastic	ND
Composite Non-Asbestos Content:	20% Cellulose
Sample Composite Homogeneity:	Moderate

Location: 27, Building C, Gray VSF/Yellow Mastic, Bathroom - 1 Lab ID-Version‡: 14950964-1

Sample Layers	Asbestos Content
Gray Sheet Flooring	ND
Yellow Mastic	ND
White Compound	ND
Sample Composite Homogeneity:	Moderate

Location: 28, Building C, Gray VSF/Yellow Mastic, Bathroom - 2 Lab ID-Version‡: 14950965-1

Sample Layers	Asbestos Content
Gray Sheet Flooring	ND
Yellow Mastic	ND
White Compound	ND
Sample Composite Homogeneity:	Moderate

Location: 29, Building C, Gray Ceramic Tile Floor/Gray Grout, Bathroom - 3 Lab ID-Version‡: 14950966-1

Sample Layers	Asbestos Content
Gray Ceramic Tile	ND
Gray Grout	ND
Off-White Mastic	ND
White Compound	ND
Sample Composite Homogeneity:	Moderate

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ASBESTOS PLM REPORT

Location: 30, Building C, Gray Ceramic Tile Floor/Gray Grout, Bathroom - 4

Lab ID-Version‡: 14950967-1

Sample Layers	Asbestos Content
Gray Ceramic Tile	ND
Gray Grout	ND
Off-White Mastic	ND
White Compound	ND
Sample Composite Homogeneity:	Moderate

Location: 31, Building C, Leveling Compound, NW Hallway Entrance

Lab ID-Version‡: 14950968-1

Sample Layers	Asbestos Content
Tan Mastic	ND
White Leveling Compound	ND
Sample Composite Homogeneity:	Moderate

Location: 32, Building C, Leveling Compound, NE Hallway Entrance

Lab ID-Version‡: 14950969-1

Sample Layers	Asbestos Content
Tan Mastic	ND
White Leveling Compound	ND
Sample Composite Homogeneity:	Moderate

Location: 33, Building C, Carpet Mastic/Concrete Foundation, Room 10

Lab ID-Version‡: 14950970-1

Sample Layers	Asbestos Content
Yellow Mastic	ND
Gray Concrete	ND
Sample Composite Homogeneity:	Moderate

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ASBESTOS PLM REPORT

Location: 34, Building C, Carpet Mastic/Concrete Foundation, Room 5

Lab ID-Version‡: 14950971-1

Sample Layers	Asbestos Content
Yellow Mastic	ND
Gray Concrete	ND
Sample Composite Homogeneity: Moderate	

Location: 35, Building C, 2x4 Ceiling Tiles, South E-W Hallway

Lab ID-Version‡: 14950972-1

Sample Layers	Asbestos Content
Gray Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	30% Cellulose 30% Glass Fibers
Sample Composite Homogeneity: Good	

Location: 36, Building C, 2x4 Ceiling Tiles, Room 13

Lab ID-Version‡: 14950973-1

Sample Layers	Asbestos Content
Gray Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	30% Cellulose 30% Glass Fibers
Sample Composite Homogeneity: Good	

Location: 37, Building C, Exterior Wood Panel Siding Mastic (Yellow), West Facing Wall

Lab ID-Version‡: 14950974-1

Sample Layers	Asbestos Content
Yellow Mastic	ND
Sample Composite Homogeneity: Good	

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ASBESTOS PLM REPORT

Location: 38, Building C, Exterior Wood Panel Siding Mastic (Yellow), East Facing Wall

Lab ID-Version‡: 14950975-1

Sample Layers	Asbestos Content
Yellow Mastic	ND
Sample Composite Homogeneity: Good	

Location: 39, Building C, HVAC Vibration Dampener, NW HVAC on Roof

Lab ID-Version‡: 14950976-1

Sample Layers	Asbestos Content
White Semi-Fibrous Material	ND
Composite Non-Asbestos Content: 40% Glass Fibers	
Sample Composite Homogeneity: Good	

Location: 40, Building C, HVAC Vibration Dampener, SE HVAC on Roof

Lab ID-Version‡: 14950977-1

Sample Layers	Asbestos Content
White Semi-Fibrous Material	ND
Composite Non-Asbestos Content: 40% Glass Fibers	
Sample Composite Homogeneity: Good	

Location: 41, Building C, Shingle Roof Core, East

Lab ID-Version‡: 14950978-1

Sample Layers	Asbestos Content
Black Roofing Shingle with Multicolored Pebbles	ND
Black Roofing Shingle with Orange Pebbles	ND
Composite Non-Asbestos Content: 15% Glass Fibers	
Sample Composite Homogeneity: Moderate	

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ASBESTOS PLM REPORT

Location: 42, Building C, Shingle Roof Core, West

Lab ID-Version‡: 14950979-1

Sample Layers	Asbestos Content
Black Roofing Shingle with Multicolored Pebbles	ND
Black Roofing Shingle with Orange Pebbles	ND
Composite Non-Asbestos Content:	15% Glass Fibers
Sample Composite Homogeneity:	Moderate

Location: 43, Building C, Rolled Roof Core, NW

Lab ID-Version‡: 14950980-1

Sample Layers	Asbestos Content
Black Roofing Shingle with White Pebbles	ND
Black Roofing Tar and Felt 1	ND
Black Roofing Tar and Felt 2	ND
Black Roofing Tar and Felt 3	ND
Black Roofing Tar and Felt 4	ND
Composite Non-Asbestos Content:	15% Glass Fibers
Sample Composite Homogeneity:	Moderate

Location: 44, Building C, Rolled Roof Core, SE

Lab ID-Version‡: 14950981-1

Sample Layers	Asbestos Content
Black Roofing Shingle with White Pebbles	ND
Black Roofing Tar and Felt 1	ND
Black Roofing Tar and Felt 2	ND
Black Roofing Tar and Felt 3	ND
Black Roofing Tar and Felt 4	ND
Composite Non-Asbestos Content:	15% Glass Fibers
Sample Composite Homogeneity:	Moderate

Location: 45, Building C, Penetration Mastic, SE Near HVAC, on Roof

Lab ID-Version‡: 14950982-1

Sample Layers	Asbestos Content
Black Mastic	ND
Composite Non-Asbestos Content:	7% Cellulose
Sample Composite Homogeneity:	Good

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ASBESTOS PLM REPORT

Location: 46, Building C, Penetration Mastic, NW Near HVAC, on Roof

Lab ID-Version‡: 14950983-1

Sample Layers	Asbestos Content
Black Mastic	ND
Composite Non-Asbestos Content:	7% Cellulose
Sample Composite Homogeneity:	Good

Location: 47, Building C, HVAC Seam Compound, SE HVAC, on Roof

Lab ID-Version‡: 14950984-1

Sample Layers	Asbestos Content
Off-White Non-Fibrous Material	ND
Composite Non-Asbestos Content:	3% Vermiculite
Sample Composite Homogeneity:	Good

Location: 48, Building C, HVAC Seam Compound, NW HVAC, on Roof

Lab ID-Version‡: 14950985-1

Sample Layers	Asbestos Content
Off-White Non-Fibrous Material	ND
Composite Non-Asbestos Content:	3% Vermiculite
Sample Composite Homogeneity:	Good

Location: 49, Building C, HVAC Putty, SE HVAC, on Roof

Lab ID-Version‡: 14950986-1

Sample Layers	Asbestos Content
Gray Putty	ND
Composite Non-Asbestos Content:	< 1% Cellulose
Sample Composite Homogeneity:	Good

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ASBESTOS PLM REPORT

Location: 50, Building C, HVAC Putty, NW HVAC, on Roof

Lab ID-Version‡: 14950987-1

Sample Layers	Asbestos Content
Gray Putty	ND
Composite Non-Asbestos Content: < 1% Cellulose	
Sample Composite Homogeneity: Good	

Location: 51, Bungalow P1, Carpet Tile and Mastic, Room 1

Lab ID-Version‡: 14950988-1

Sample Layers	Asbestos Content
Multicolored Carpet	ND
Yellow Mastic	ND
Composite Non-Asbestos Content: 40% Synthetic Fibers	
Sample Composite Homogeneity: Moderate	

Location: 52, Bungalow P1, Carpet Tile and Mastic, Room 1

Lab ID-Version‡: 14950989-1

Sample Layers	Asbestos Content
Multicolored Carpet	ND
Yellow Mastic	ND
Composite Non-Asbestos Content: 40% Synthetic Fibers	
Sample Composite Homogeneity: Moderate	

Location: 53, Bungalow P1, Wall Panel Mastic, Bathroom - 1

Lab ID-Version‡: 14950990-1

Sample Layers	Asbestos Content
Yellow Mastic	ND
Sample Composite Homogeneity: Good	

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ASBESTOS PLM REPORT

Location: 54, Bungalow P1, Wall Panel Mastic, Bathroom - 1

Lab ID-Version‡: 14950991-1

Sample Layers	Asbestos Content
Yellow Mastic	ND
Sample Composite Homogeneity: Good	

Location: 55, Bungalow P1, Black Covebase/Beige Mastic, Room -1

Lab ID-Version‡: 14950992-1

Sample Layers	Asbestos Content
Black Baseboard	ND
Beige Mastic	ND
Sample Composite Homogeneity: Moderate	

Location: 56, Bungalow P1, Black Covebase/Beige Mastic, Room -1

Lab ID-Version‡: 14950993-1

Sample Layers	Asbestos Content
Black Baseboard	ND
Beige Mastic	ND
Sample Composite Homogeneity: Moderate	

Location: 57, Bungalow P1, Gray VSF/Mastic, Bathroom-1

Lab ID-Version‡: 14950994-1

Sample Layers	Asbestos Content
Gray Sheet Flooring with Fibrous Backing	ND
Yellow Mastic	ND
Composite Non-Asbestos Content:	20% Cellulose
Sample Composite Homogeneity: Moderate	

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ASBESTOS PLM REPORT

Location: 58, Bungalow P1, Gray VSF/Mastic, Bathroom-1

Lab ID-Version‡: 14950995-1

Sample Layers	Asbestos Content
Gray Sheet Flooring with Fibrous Backing	ND
Yellow Mastic	ND
Composite Non-Asbestos Content:	20% Cellulose
Sample Composite Homogeneity:	Moderate

Location: 59, Bungalow P1, Roof Core

Lab ID-Version‡: 14950996-1

Sample Layers	Asbestos Content
Black Roofing Shingle with White Pebbles	ND
Black Roofing Tar and Felt 1	ND
Black Roofing Tar and Felt 2	ND
Composite Non-Asbestos Content:	15% Glass Fibers
Sample Composite Homogeneity:	Moderate

Location: 60, Bungalow P1, Roof Core

Lab ID-Version‡: 14950997-1

Sample Layers	Asbestos Content
Black Roofing Shingle with White Pebbles	ND
Black Roofing Tar and Felt 1	ND
Black Roofing Tar and Felt 2	ND
Composite Non-Asbestos Content:	15% Glass Fibers
Sample Composite Homogeneity:	Moderate

Location: 61, Bungalow P1, Exterior Siding Vapor Barrier

Lab ID-Version‡: 14950998-1

Sample Layers	Asbestos Content
Black Vapor Barrier	ND
Composite Non-Asbestos Content:	80% Cellulose
Sample Composite Homogeneity:	Good

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ASBESTOS PLM REPORT

Location: 62, Bungalow P1, Exterior Siding Vapor Barrier

Lab ID-Version‡: 14950999-1

Sample Layers	Asbestos Content
Black Vapor Barrier	ND
Composite Non-Asbestos Content:	80% Cellulose
Sample Composite Homogeneity:	Good

Location: 63, Bungalow P2, 2x4 Ceiling Tile, Room 1, W

Lab ID-Version‡: 14951000-1

Sample Layers	Asbestos Content
Gray Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	75% Cellulose
Sample Composite Homogeneity:	Good

Location: 64, Bungalow P2, 2x4 Ceiling Tile, Room 1, E

Lab ID-Version‡: 14951001-1

Sample Layers	Asbestos Content
Gray Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	75% Cellulose
Sample Composite Homogeneity:	Good

Location: 65, Bungalow P2, Yellow Carpet Mastic, Room 1

Lab ID-Version‡: 14951002-1

Sample Layers	Asbestos Content
Yellow Mastic	ND
Sample Composite Homogeneity:	Good

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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".

Client: XRF Research Inc.
 C/O: Mr. Javier Gonzalez
 Re: 3291 Buckman Springs Road, Pine Valley, CA;
 Asbestos Survey

Date of Sampling: 11-29-2022
 Date of Receipt: 11-30-2022
 Date of Report: 12-05-2022

ASBESTOS PLM REPORT

Location: 66, Bungalow P2, Yellow Carpet Mastic, Room 1

Lab ID-Version‡: 14951003-1

Sample Layers	Asbestos Content
Yellow Mastic	ND
Sample Composite Homogeneity: Good	

Location: 67, Bungalow P2, Black Covebase/Mastic, Room 1

Lab ID-Version‡: 14951004-1

Sample Layers	Asbestos Content
Black Baseboard	ND
Yellow Mastic	ND
Sample Composite Homogeneity: Moderate	

Location: 68, Bungalow P2, Black Covebase/Mastic, Room 1

Lab ID-Version‡: 14951005-1

Sample Layers	Asbestos Content
Black Baseboard	ND
Yellow Mastic	ND
Sample Composite Homogeneity: Moderate	

Location: 69, Bungalow P2, Exterior Siding Vapor Barrier, NE Corner

Lab ID-Version‡: 14951006-1

Sample Layers	Asbestos Content
Black Vapor Barrier	ND
Composite Non-Asbestos Content: 80% Cellulose	
Sample Composite Homogeneity: Good	

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 C/O: Mr. Javier Gonzalez
 Re: 3291 Buckman Springs Road, Pine Valley, CA;
 Asbestos Survey

Date of Sampling: 11-29-2022
 Date of Receipt: 11-30-2022
 Date of Report: 12-05-2022

ASBESTOS PLM REPORT

Location: 70, Bungalow P2, Exterior Siding Vapor Barrier, SE Corner

Lab ID-Version‡: 14951007-1

Sample Layers	Asbestos Content
Black Vapor Barrier	ND
Composite Non-Asbestos Content:	80% Cellulose
Sample Composite Homogeneity:	Good

Location: 71, Bungalow P3, Drywall, Room 1, N

Lab ID-Version‡: 14951008-1

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

Location: 72, Bungalow P3, Drywall, Room 1, N

Lab ID-Version‡: 14951009-1

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

Location: 73, Bungalow P3, Drywall, Room 1, S

Lab ID-Version‡: 14951010-1

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

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Client: XRF Research Inc.
 C/O: Mr. Javier Gonzalez
 Re: 3291 Buckman Springs Road, Pine Valley, CA;
 Asbestos Survey

Date of Sampling: 11-29-2022
 Date of Receipt: 11-30-2022
 Date of Report: 12-05-2022

ASBESTOS PLM REPORT

Location: 74, Bungalow P3, Black Covebase/Mastic, Room 1

Lab ID-Version‡: 14951011-1

Sample Layers	Asbestos Content
Black Baseboard	ND
Yellow Mastic	ND
Sample Composite Homogeneity: Moderate	

Location: 75, Bungalow P3, Black Covebase/Mastic, Room 1

Lab ID-Version‡: 14951012-1

Sample Layers	Asbestos Content
Black Baseboard	ND
Yellow Mastic	ND
Sample Composite Homogeneity: Moderate	

Location: 76, Bungalow P3, Carpet Mastic, Room 1

Lab ID-Version‡: 14951013-1

Sample Layers	Asbestos Content
Multicolored Carpet	ND
Yellow Mastic	ND
Composite Non-Asbestos Content: 40% Synthetic Fibers	
Sample Composite Homogeneity: Moderate	

Location: 77, Bungalow P3, Carpet Mastic, Room 1

Lab ID-Version‡: 14951014-1

Sample Layers	Asbestos Content
Multicolored Carpet	ND
Yellow Mastic	ND
Composite Non-Asbestos Content: 40% Synthetic Fibers	
Sample Composite Homogeneity: Moderate	

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Client: XRF Research Inc.
 C/O: Mr. Javier Gonzalez
 Re: 3291 Buckman Springs Road, Pine Valley, CA;
 Asbestos Survey

Date of Sampling: 11-29-2022
 Date of Receipt: 11-30-2022
 Date of Report: 12-05-2022

ASBESTOS PLM REPORT

Location: 78, Bungalow P3, Exterior Siding Vapor Barrier

Lab ID-Version‡: 14951015-1

Sample Layers	Asbestos Content
Brown Vapor Barrier	ND
Composite Non-Asbestos Content:	80% Cellulose
Sample Composite Homogeneity:	Good

Location: 79, Bungalow P3, Exterior Siding Vapor Barrier

Lab ID-Version‡: 14951016-1

Sample Layers	Asbestos Content
Brown Vapor Barrier	ND
Composite Non-Asbestos Content:	80% Cellulose
Sample Composite Homogeneity:	Good

Location: 80, Bungalow P3, Roof Core, North

Lab ID-Version‡: 14951017-1

Sample Layers	Asbestos Content
Black Roofing Shingle	ND
Black Roofing Tar and Felt	ND
Composite Non-Asbestos Content:	10% Glass Fibers 10% Synthetic Fibers
Sample Composite Homogeneity:	Moderate

Location: 81, Bungalow P3, Roof Core, South

Lab ID-Version‡: 14951018-1

Sample Layers	Asbestos Content
Black Roofing Shingle with White Pebbles	ND
Black Roofing Tar and Felt 1	ND
Black Roofing Tar and Felt 2	ND
Composite Non-Asbestos Content:	15% Synthetic Fibers 7% Glass Fibers
Sample Composite Homogeneity:	Moderate

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 C/O: Mr. Javier Gonzalez
 Re: 3291 Buckman Springs Road, Pine Valley, CA;
 Asbestos Survey

Date of Sampling: 11-29-2022
 Date of Receipt: 11-30-2022
 Date of Report: 12-05-2022

ASBESTOS PLM REPORT

Location: 82, Bungalow P4, 2x4 Ceiling Tile, Room 1

Lab ID-Version‡: 14951019-1

Sample Layers	Asbestos Content
Gray Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	75% Cellulose
Sample Composite Homogeneity:	Good

Location: 83, Bungalow P4, 2x4 Ceiling Tile, Room 1

Lab ID-Version‡: 14951020-1

Sample Layers	Asbestos Content
Gray Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	75% Cellulose
Sample Composite Homogeneity:	Good

Location: 84, Bungalow P4, Black Covebase/Mastic, Room 1

Lab ID-Version‡: 14951021-1

Sample Layers	Asbestos Content
Black Baseboard	ND
Yellow Mastic	ND
Sample Composite Homogeneity:	Moderate

Location: 85, Bungalow P4, Black Covebase/Mastic, Room 1

Lab ID-Version‡: 14951022-1

Sample Layers	Asbestos Content
Black Baseboard	ND
Yellow Mastic	ND
Sample Composite Homogeneity:	Moderate

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Client: XRF Research Inc.
 C/O: Mr. Javier Gonzalez
 Re: 3291 Buckman Springs Road, Pine Valley, CA;
 Asbestos Survey

Date of Sampling: 11-29-2022
 Date of Receipt: 11-30-2022
 Date of Report: 12-05-2022

ASBESTOS PLM REPORT

Location: 86, Bungalow P4, Carpet Mastic, Room 1

Lab ID-Version‡: 14951023-1

Sample Layers	Asbestos Content
Multicolored Carpet	ND
Yellow Mastic	ND
Composite Non-Asbestos Content:	40% Synthetic Fibers
Sample Composite Homogeneity:	Moderate

Location: 87, Bungalow P4, Carpet Mastic, Room 1

Lab ID-Version‡: 14951024-1

Sample Layers	Asbestos Content
Multicolored Carpet	ND
Yellow Mastic	ND
Composite Non-Asbestos Content:	40% Synthetic Fibers
Sample Composite Homogeneity:	Moderate

Location: 88, Bungalow P4, Exterior Siding Vapor Barrier, NW Corner

Lab ID-Version‡: 14951025-1

Sample Layers	Asbestos Content
Black Vapor Barrier	ND
Composite Non-Asbestos Content:	80% Cellulose
Sample Composite Homogeneity:	Good

Location: 89, Bungalow P4, Exterior Siding Vapor Barrier, SW Corner

Lab ID-Version‡: 14951026-1

Sample Layers	Asbestos Content
Black Vapor Barrier	ND
Composite Non-Asbestos Content:	80% Cellulose
Sample Composite Homogeneity:	Good

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CONTACT INFORMATION	
Company:	XRF Research, Inc.
Contact:	Javier Gonzalez
Phone:	858-243-5415
Address:	9921 Carmel Mountain Rd. #326, San Diego, CA 92129
Special Instructions:	Stop @ 1st pos. for bracketed samples. See column next to ID#s

Project Location, Zip Code, and / or ID #	3291 Buckman Springs Road, Pine Valley, CA 91962		Turn Around Time Codes (TAT)	Mark One
Project Description:	Asbestos	Survey of Bldg C, Bungalow PJ-P4	STD - Standard	<input checked="" type="checkbox"/>
Sampling Date & Time:	November 29, 2022		ND - Next Business Day	
Sampled By:	Diego Cruz-Baker, Paul Rozzi		SD - Same Business Day	



003096821

Requested Analysis:

Sample ID	Description / Notes	Asbestos Bulk PLM
1	Building C, unfinished drywall/joint compound, room 11, W wall	<input checked="" type="checkbox"/>
2	room 9, N wall	<input checked="" type="checkbox"/>
3	room 7, N wall	<input checked="" type="checkbox"/>
4	room 5, E wall	<input checked="" type="checkbox"/>
5	room 3, E wall	<input checked="" type="checkbox"/>
6	room 1, S wall	<input checked="" type="checkbox"/>
7	West N-S hallway, W wall	<input checked="" type="checkbox"/>
8	smooth texture/brown drywall/joint compound, Bathroom-2, W wall	<input checked="" type="checkbox"/>
9	Bathroom-3, NW corner	<input checked="" type="checkbox"/>
10	Bathroom-4, SE corner	<input checked="" type="checkbox"/>
11	wall panel mastic (yellow), janitors closet	<input checked="" type="checkbox"/>
12	(Brown) wall mastic, North E-W hallway, E wall	<input checked="" type="checkbox"/>
13	West N-S hallway, N wall	<input checked="" type="checkbox"/>
14	Black corebase/Beige mastic, storage room	<input checked="" type="checkbox"/>
15	room 12	<input checked="" type="checkbox"/>
16	Beige w/ green specks USE/yellow mastic, N.W. Hallway entrance	<input checked="" type="checkbox"/>
17	N.E. Hallway entrance	<input checked="" type="checkbox"/>
18	orange 12x12VFT/Black mastic, I.T. closet	<input checked="" type="checkbox"/>
19	janitors closet	<input checked="" type="checkbox"/>
20	janitors closet	<input checked="" type="checkbox"/>

Relinquished By: 

Date and Time: 11-30-22

Received By: C 2

Date and Time: 11/30/22 10:40 AM



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CONTACT INFORMATION	
Company:	XRF Research, Inc.
Contact:	Javier Gonzalez
Phone:	858-243-5415
Address:	9921 Carmel Mountain Rd. #326, San Diego, CA 92129
Special Instructions:	

Project Location, Zip Code, and / or ID #	3291 Buckman Springs Road, Pine Valley, CA 91962		Turn Around Time Codes (TAT)	Mark One
Project Description:			STD - Standard	<input checked="" type="checkbox"/>
Sampling Date & Time:	November 29, 2022		ND - Next Business Day	
Sampled By:	Diego Cruz-Baker, Paul Rozzi		SD - Same Business Day	

Sample ID

Description / Notes

003096821



Requested Analysis:

Asbestos Bulk
PLM

21	Building C, multi-brown laminate vinyl floor, SW. Hallway entrance			<input checked="" type="checkbox"/>
22	carpet mastic/multi-color 12x12 VET/Black mastic, room 9			<input checked="" type="checkbox"/>
23	gray w/ dark specks VSE/yellow mastic, East N-S Hallway			<input checked="" type="checkbox"/>
24	gray VSE/yellow mastic, Bathroom-1			<input checked="" type="checkbox"/>
25	gray VSE/yellow mastic, Bathroom-2			<input checked="" type="checkbox"/>
26	gray ceramic tile floor/gray grout, Bathroom-3			<input checked="" type="checkbox"/>
27	leveling compound, N.W. Hallway entrance			<input checked="" type="checkbox"/>
28	leveling compound, N.E. Hallway entrance			<input checked="" type="checkbox"/>
29	carpet mastic/concrete foundation, room 10			<input checked="" type="checkbox"/>
30	2x4 ceiling tiles, south E-W Hallway			<input checked="" type="checkbox"/>
31	2x4 ceiling tiles, room 13			<input checked="" type="checkbox"/>
32	Exterior wood panel siding mastic (yellow), West facing wall			<input checked="" type="checkbox"/>
33	Exterior wood panel siding mastic (yellow), East facing wall			<input checked="" type="checkbox"/>
34	HVAC vibration damper, N.W. HVAC on roof			<input checked="" type="checkbox"/>
35	HVAC vibration damper, S.E. HVAC on roof			<input checked="" type="checkbox"/>
36				<input checked="" type="checkbox"/>
37				<input checked="" type="checkbox"/>
38				<input checked="" type="checkbox"/>
39				<input checked="" type="checkbox"/>
40				<input checked="" type="checkbox"/>

Relinquished By

Date and Time

Received By

Date and Time

DR

11-30-22

CL

11/30/22

140

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CONTACT INFORMATION	
Company:	XRF Research, Inc.
Contact:	Javier Gonzalez
Phone:	858-243-5415
Address:	9921 Carmel Mountain Rd. #326, San Diego, CA 92129
Special Instructions:	

Project Location, Zip Code, and / or ID # 3291 Buckman Springs Road, Pine Valley, CA 91962

Project Description:

Sampling Date & Time: November 29, 2022

Sampled By: Diego Cruz-Baker, Paul Rozzi

Turn Around Time Codes (TAT)

STD - Standard

ND - Next Business Day

SD - Same Business Day

Mark One

Sample ID	Description / Notes	Asbestos Bulk PLM
41	Building C, shingle roof core, east	✓
42	colled roof core, N.W., west	✓
43	penetration mastic, S.E. near HVAC, on roof	✓
44	HVAC segm compound, S.E. HVAC	✓
45	HVAC putty, S.E. HVAC	✓
46	HVAC, N.W. HVAC	✓
47	HVAC, N.W. HVAC	✓
48	HVAC, N.W. HVAC	✓
49	HVAC, N.W. HVAC	✓
50	Bungalow Pt, carpet tile mastic, Room 1	✓
51	wall panel mastic, Bathroom-1	✓
52	Black coverbase/beige mastic, Room 1	✓
53	Gray VSF/mastic, Bathroom-1	✓
54	Roof core	✓
55		✓
56		✓
57		✓
58		✓
59		✓
60		✓



Requested Analysis:

Relinquished By: *[Signature]* **Date and Time:** 11-30-22

Received By: *[Signature]* **Date and Time:** 12/15/22 10:40AM

AF pg 3 of 5 12/12/22 4:00

11/30/22 1402



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CONTACT INFORMATION

Company:	XRF Research, Inc.	Address:	9921 Carmel Mountain Rd. #326, San Diego, CA 92129
Contact:	Javier Gonzalez	Special Instructions:	
Phone:	858-243-5415		

Project Location, Zip Code, and / or ID #	3291 Buckman Springs Road, Pine Valley, CA 91962		
Project Description:		Turn Around Time Codes (TAT)	Mark One
Sampling Date & Time:	November 29, 2022	STD - Standard	<input checked="" type="checkbox"/>
Sampled By:	Diego Cruz-Baker, Paul Rozzi	ND - Next Business Day	<input type="checkbox"/>
		SD - Same Business Day	<input type="checkbox"/>

Requested Analysis:

Asbestos Bulk
PLM



Sample ID	Description / Notes	Requested Analysis:
61	Bungalow P1, Exterior siding vapor barrier	Asbestos Bulk PLM
62	Bungalow P1, Exterior siding vapor barrier	Asbestos Bulk PLM
63	Bungalow P2, 2x4 ceiling tile, room 1, W	Asbestos Bulk PLM
64	yellow carpet mastic, room 1	Asbestos Bulk PLM
65	Black caulk/mastic, room 1	Asbestos Bulk PLM
66	Black caulk/mastic, room 1	Asbestos Bulk PLM
67	Black caulk/mastic, room 1	Asbestos Bulk PLM
68	exterior siding vapor barrier, NE corner	Asbestos Bulk PLM
69	exterior siding vapor barrier, SE corner	Asbestos Bulk PLM
70	Bungalow P3, Drywall, Room 1, N	Asbestos Bulk PLM
71	Black caulk/mastic, room 1	Asbestos Bulk PLM
72	Black caulk/mastic, room 1	Asbestos Bulk PLM
73	Black caulk/mastic, room 1	Asbestos Bulk PLM
74	Black caulk/mastic, room 1	Asbestos Bulk PLM
75	carpet mastic, room 1	Asbestos Bulk PLM
76	carpet mastic, room 1	Asbestos Bulk PLM
77	exterior siding vapor barrier	Asbestos Bulk PLM
78	exterior siding vapor barrier	Asbestos Bulk PLM
79	exterior siding vapor barrier	Asbestos Bulk PLM
80	Roof core, North	Asbestos Bulk PLM

Relinquished By	Date and Time	Received By	Date and Time
[Signature]	11-30-22	[Signature]	11-30-22
[Signature]	12-15-22	[Signature]	12-15-22

AF pg 4 of 5 12/1/22 4:00



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CONTACT INFORMATION	
Company:	XRF Research, Inc.
Contact:	Javier Gonzalez
Phone:	858-243-5415
Address:	9921 Carmel Mountain Rd. #326, San Diego, CA 92129
Special Instructions:	

Project Location, Zip Code, and / or ID # 3291 Buckman Springs Road, Pine Valley, CA 91962

Project Description: Turn Around Time Codes (TAT) Mark One
 STD - Standard ✓
 ND - Next Business Day
 SD - Same Business Day

Sampling Date & Time: November 29, 2022

Sampled By: Diego Cruz-Baker, Paul Rozzi

Requested Analysis:

Sample ID	Description / Notes	Asbestos Bulk PLM
81	Bungalow P3, Roof CORE, South	✓
82	Bungalow P4, 2x4 ceiling tile, Room 1	✓
83		✓
84		✓
85	Black corebase/mastic, Room 1	✓
86	carpet mastic, room 1	✓
87		✓
88	exterior siding vapor barrier, NW corner	✓
89		✓
90		✓



Relinquished By: [Signature] **Date and Time:** 11-30-22

Received By: [Signature] **Date and Time:** 11/30/22

AF PG 5 of 5 **12/2/22** 4:00