

April 14, 2023

CITY OF MERCED DEPARTMENT OF ENGINEERING  
678 W. 18th Street, Merced, CA 95340

**ADDENDUM NO. 2**

**To ALL PROSPECTIVE BIDDERS**

Under Specifications for the Construction of

**MERCED YOSEMITE REGIONAL AIRPORT TERMINAL REPLACEMENT**

**PROJECT NUMBER CP230060**

**FAA AIP NUMBER 3-06-152-030-2023**

For which bids are to be received at the Office of the Purchasing Agent of the City of Merced,  
2525 "O" St., Merced, California.

The following revision to the specifications shall be made:

**ITEM 1: HAZARDOUS MATERIALS REPORTS**

Added the following attachments to the bid documents:

1. Asbestos & Lead Inspection Report dated March 23, 2023
2. Asbestos & Lead Inspection Report dated April 3, 2023

**ITEM 2: BID FORMS: TOTAL BID PRICE (PAGE 22)**

Total bid price is based on the total of Bid Schedule A Base Bid, Bid Schedule B Base Bid, and Bid Schedule C Base Bid.



Michael R. Beltran II, P.E.  
City Engineer

Name of Bidder or Firm: \_\_\_\_\_

**THIS ADDENDUM MUST BE SIGNED AND RETURNED WITH BID PROPOSAL.**

ADDENDUM NO. 2 has been received and incorporated into the bid proposal.

Received By: \_\_\_\_\_

Date: \_\_\_\_\_ Planholder : \_\_\_\_\_

**NOTE: RECEIPT OF THIS ADDENDUM MUST ALSO BE ACKNOWLEDGED IN THE CONTRACTOR'S BID PROPOSAL.**



**ASBESTOS & LEAD  
INSPECTION REPORT**

**M A R C H 23 , 2023**

**BEM PROJECT NO. 23-60071**

Site

**Hangar BBQ  
26 Macready Drive  
Merced, CA 95341**

Prepared For

**Ms. Amber Minami  
City of Merced  
678 West 18th Street  
Merced, CA 95340**

Prepared By

**BOVEE ENVIRONMENTAL MANAGEMENT, INC.**

**1643 3<sup>rd</sup> Street, Escalon, CA 95320**

**Escalon 209-847-3800 • Fresno 559-264-3800 • Bakersfield 661-246-2110 • Sacramento 916-564-3838**



March 23, 2023

Ms. Amber Minami  
City of Merced  
678 West 18th Street  
Merced, CA 95340

Ms. Minami:

Bovee Environmental Management, Inc. (BEM) is pleased to provide this Asbestos & Lead Paint Survey Report regarding our asbestos and lead inspection services at the Project Site summarized below.

**PROJECT SUMMARY TABLE**

| PROJECT SITE NAME                    | PROJECT SITE LOCATION                                 | PROJECT SITE NOTE |
|--------------------------------------|-------------------------------------------------------|-------------------|
| Hangar BBQ                           | 26 Macready Drive, Merced, CA 95341                   | Demolition        |
| INSPECTION TYPE                      | INSPECTED AREAS                                       | INSPECTION DATE   |
| Commercial<br>Asbestos & Lead Survey | Hangar Bar/Detached Bathrooms; Interior &<br>Exterior | March 21, 2023    |

**ASBESTOS INSPECTION SUMMARY**

Samples of building materials considered to be *suspect asbestos containing materials\** were identified and collected from the inspected areas referenced above to determine their asbestos content. Through proper chain-of-custody the collected samples are sent to BEM, Inc Laboratories for polarized light microscopy (PLM) analysis. A summary of all materials sampled and corresponding analytical results are listed below. Detailed information regarding sample number, actual sample location and analytical methods can be reviewed in attachments A and B.

**SAMPLE COLLECTION SUMMARY**

\*See definitions on page 3/4.

**Hangar Bar**

| #        | MATERIAL SAMPLED    | MATERIAL LOCATION                       | ASBESTOS      | CATEGORY | SQ.FT. |
|----------|---------------------|-----------------------------------------|---------------|----------|--------|
| 60071-01 | Concrete            | Foundation                              | None Detected | -        | -      |
| 60071-02 | Ceramic Tile Cement | Bar; Floor                              | None Detected | -        | -      |
| 60071-03 | 12" x 12" VFT       | Hall, Bathroom 1 & Storage Area; Floors | None Detected | -        | -      |
| 60071-04 | Mastic              | Hall, Bathroom 1 & Storage Area; Floors | None Detected | -        | -      |
| 60071-05 | Cove Base Mastic    | Baseboards Throughout                   | None Detected | -        | -      |
| 60071-06 | Wall Panel Mastic   | Bar & Bathroom 1; Walls                 | None Detected | -        | -      |

Sample Collection Summary table continued on page 3.

**Hangar Bar (Continued...)**

| #        | MATERIAL SAMPLED         | MATERIAL LOCATION                                        | ASBESTOS      | CATEGORY | SQ.FT. |
|----------|--------------------------|----------------------------------------------------------|---------------|----------|--------|
| 60071-07 | Sheetrock                | Water Heater Closet; Walls                               | None Detected | -        | -      |
| 60071-08 | Surface Texture          | Room 1; Walls & Ceiling                                  | None Detected | -        | -      |
| 60071-09 | Sheetrock/Joint Compound | Room 1; Walls & Ceiling                                  | None Detected | -        | -      |
| 60071-10 | Surface Texture          | Bathroom 1, Hall & Storage Area; Various Walls & Ceiling | None Detected | -        | -      |
| 60071-11 | Surface Texture          | Bathroom 1, Hall & Storage Area; Various Walls & Ceiling | None Detected | -        | -      |
| 60071-12 | Sheetrock/Joint Compound | Bathroom 1, Hall & Storage Area; Various Walls & Ceiling | None Detected | -        | -      |
| 60071-13 | Paint                    | Exterior Walls                                           | None Detected | -        | -      |
| 60071-14 | Roofing Material         | Roof (West Area)                                         | None Detected | -        | -      |
| 60071-15 | Roofing Material         | Roof (East Area)                                         | None Detected | -        | -      |
| 60071-16 | Penetration Mastic       | Roof; Edges                                              | None Detected | -        | -      |

**Detached Bathrooms**

| #        | MATERIAL SAMPLED         | MATERIAL LOCATION           | ASBESTOS      | CATEGORY | SQ.FT. |
|----------|--------------------------|-----------------------------|---------------|----------|--------|
| 60071-17 | Concrete                 | Foundation                  | None Detected | -        | -      |
| 60071-18 | Wall Panel Mastic        | Walls Throughout            | None Detected | -        | -      |
| 60071-19 | Surface Texture          | Walls & Ceilings Throughout | None Detected | -        | -      |
| 60071-20 | Surface Texture          | Walls & Ceilings Throughout | None Detected | -        | -      |
| 60071-21 | Sheetrock/Joint Compound | Walls & Ceilings Throughout | None Detected | -        | -      |
| 60071-22 | Paint                    | Exterior Walls              | None Detected | -        | -      |
| 60071-23 | Roofing Material         | Roof                        | None Detected | -        | -      |
| 60071-24 | Penetration Mastic       | Roof; Penetrations          | None Detected | -        | -      |

**ASBESTOS DEFINITIONS**

Suspect Asbestos Containing Material (ACM) - Local air quality management districts consider a material that is not wood, metal or glass, to be a suspect ACM. All suspect ACMs are assumed to contain asbestos until laboratory analysis confirms that a material has no asbestos content.

Category – ACM's are classified as either "friable", material that can be easily crushed or pulverized by normal hand pressure or as "non-friable", material that cannot be easily crushed or pulverized by normal hand pressure. *Friable ACMs are considered a Regulated Asbestos Containing Material (RACM) requiring Class I work practices and engineering controls. Non-friable ACMs are considered either Category I or Category II Asbestos Containing Material requiring Class II work practices and engineering controls.*

Trace - Analytical result that is equal to or less than 1.0 percent asbestos by weight, but greater than 0.1 percent. Materials with a trace amount of asbestos have to be removed as asbestos containing construction material (ACCM) according to Cal-OSHA, but can be disposed as non-ACM upon point count analyses according to federal and state EPA regulations.

Homogeneous – Multiple samples collected of a suspect material that is similar in general appearance and from areas that appear to have been constructed at the same time are considered homogeneous. If multiple samples are collected from a similar material within a homogeneous area and only one of the multiple samples is found to contain asbestos, regulations mandate that the entirety of that material within the homogeneous area must be considered an ACM.

VFT – Vinyl Floor Tile    TBD – To be determined

#### **ASBESTOS REGULATORY STANDARDS**

##### California Occupational Safety and Health Administration (Cal-OSHA)

- Friable and Non-Friable ACCMs containing more than 0.1 percent asbestos by weight are regulated.
- Enforces regulations pertaining to workers performing ACCM removal and workers in close proximity.
- Contractors who disturb more than 100 square feet or 160 lineal feet of ACCM must be registered by the contractor's state license board as an asbestos removal contractor.
- Contractors who disturb any amount of ACCM must ensure employee protection by providing accredited training, medical examinations, personal protective equipment and a negative exposure assessment.

##### United States Environmental Protection Agency (EPA)

- Friable and Non-Friable ACMs containing more than 1.0 percent asbestos by weight are regulated.
- Enforces regulations pertaining to protecting the environment, not workers.
- Abatement Contractors who disturb more than 160 square feet or 260 linear feet of ACM must comply with the National Emissions Standards for Hazardous Air Pollutants Asbestos Regulations (40 CFR 61, Subpart M) and all state and federal requirements regarding asbestos.

##### Local Air Quality Control Districts

- Friable and Non-Friable ACM's containing more than 1.0 percent asbestos by weight are regulated.
- Enforces regulations pertaining to local air quality; "No Visible Air Emissions".
- Require an asbestos survey prior to renovation or demolition.
- Abatement Contractors who disturb more than 160 square feet or 260 linear feet of ACM must comply with the National Emissions Standards for Hazardous Air Pollutants Asbestos Regulations (40 CFR 61, Subpart M).

#### **ASBESTOS RECOMMENDATIONS**

BEM recommends compliance with all federal, state and local regulations concerning asbestos.

#### **ASBESTOS WARRANTY**

Samples of suspect asbestos containing building materials, which could be disturbed during construction activities, are collected by BEM. Site inspections and sample collection methodologies are performed to meet regulatory standards and industry protocols. BEM warrants that the findings contained herein have been promulgated in general accordance with accepted professional practices at the time of its preparation as applied by professionals in the community. There is a possibility that conditions may exist in which suspect ACM's could not be identified within the scope of the survey or were not apparent or accessible during the site visit. All scheduled work should cease and additional samples should be collected if unidentified suspect ACM's are discovered during construction activities.

*If quantities of asbestos containing materials are stated in this report, they are supplied for budgetary and regulatory notification purposes only. They should not be relied on for abatement bidding purposes.*

**LEAD INSPECTION SUMMARY**

BEM visually inspected and identified all components and substrates throughout the Subject Site that will be impacted during renovation activities. These surfaces were representatively sampled and analyzed for lead content. Utilizing an X-Ray Fluorescence Spectrometer (XRF), the substrates within the Subject Site's renovation/demolition areas were analyzed for their lead concentration levels. A summary of the substrates sampled and corresponding analytical results are listed below.

| #        | SAMPLE DESCRIPTION   | SAMPLE LOCATION                                           | LEAD mg/cm <sup>2</sup> |
|----------|----------------------|-----------------------------------------------------------|-------------------------|
| 60071-L1 | Ceramic Tile (Multi) | Hangar Bar; Bar Floors & Base                             | 0                       |
| 60071-L2 | Paint (Multi)        | Hangar Bar; Wood Trim Throughout                          | 0                       |
| 60071-L3 | Paint (Multi)        | Hangar Bar; Various Wood Paneling Walls                   | 0                       |
| 60071-L4 | Paint (Multi)        | Hangar Bar; Various Sheetrock Walls & Ceilings            | 0                       |
| 60071-L5 | Paint (Black)        | Hangar Bar; Exterior Wood Siding Walls                    | 0                       |
| 60071-L6 | Ceramic Tile (White) | Detached Bathrooms; Bases Throughout                      | 0                       |
| 60071-L7 | Paint (White)        | Detached Bathroom; Wood Trim Throughout                   | 0                       |
| 60071-L8 | Paint (Off White)    | Detached Bathrooms; Sheetrock Walls & Ceilings Throughout | 0                       |
| 60071-L9 | Paint (Black)        | Detached Bathroom; Exterior Wood Trim                     | 0                       |

(Lead Based =  $\geq 1.0$  mg/cm<sup>2</sup>) (Lead Containing =  $< 1.0$  mg/cm<sup>2</sup>) (No Lead Detected = 0 mg/cm<sup>2</sup>)

**LEAD RECOMMENDATIONS**

Any substrates listed in the table above having a lead concentration level greater than or equal to 1.0 mg/cm<sup>2</sup> should be considered lead based. If these substrates are to be impacted during renovation activities then proper lead abatement practices, engineering controls and worker protection should meet all regulatory standards mandated by Cal-OSHA Title 8.

Any substrates listed in the table above having a lead concentration level less than 1.0 mg/cm<sup>2</sup> should be considered lead containing. Regulations mandated by Cal-OSHA Title 8 are still in effect for renovation activities.

Any substrates listed in the table above having a lead concentration level of 0 mg/cm<sup>2</sup> should be considered lead free, however regulations mandate that all workers involved in renovation activities shall receive appropriate EPA-RRP lead awareness training so that activities which could potentially create an exposure risk can be avoided.

BEM recommends compliance with all federal, state and local regulations concerning lead paint.

## **LEAD PAINT REGULATIONS**

The following regulations may or may not pertain to this specific project, but are outlined to ensure contractor compliance.

- The Lead-in-Construction Standard is in place to protect the health and safety of employees who engage in lead-related construction work, including construction, demolition, renovation and repair. Contractors disturbing more than 100 square feet or more than 100 linear feet of lead-containing materials must take steps to prevent worker exposures to lead and are required to notify the Department of Industrial Relations at least 24 hours prior to beginning work.
- California OSHA (CAL/OSHA) requires a lead-work pre-job notification if the quantities of lead-containing materials to be disturbed exceeds 100 square feet or 100 linear feet OR if the tasks include torch cutting or welding exceeding 1 hour in any shift OR if the percentage of lead in the material to be disturbed exceeds 0.5% by weight (5,000 ppm), or 1.0 mg/square centimeter. The information and form required for notification can be found in 8CCR1532.1.
- The Cal/OSHA "Lead in Construction" standard recognizes any detectable (quantifiable) concentrations of lead as regulated materials. When performing lead related construction activities, workers must be protected when exposed to levels above the current permissible exposure limit (PEL) of 50ug/cm<sup>2</sup>, regardless of the content of lead in paint.
- California Code of Regulations, Title 17, Division 1, Chapter 8, § 35001 - 36100 Accreditation, Certification, and Work Practices for Lead-Based Paint and Lead Hazards. Title 17 requires that work on any structure built before January 1, 1978 must use lead-safe work practices including containment and clean the work area after the project is completed. The revised state law went into effect on April 30, 2008 and applies to everyone including contractors, painters, homeowners, renters, and maintenance staff. The regulations also cover accreditation of training providers and certification of individuals to perform lead abatement and sets work practice standards for lead hazard evaluations and the abatement of lead hazards.
- Contractors who perform renovation, repairs, and painting jobs in pre-1978 housing and child-occupied facilities must, before beginning work, provide owners, tenants, and child-care facilities with a copy of EPA's lead hazard information pamphlet Renovate Right: Important Lead Hazard Information for Families, Child Care Providers, and Schools
- Federal law requires that individuals receive certain information before renovating more than six square feet of painted surfaces in a room for interior projects or more than twenty square feet of painted surfaces for exterior projects or window replacement or demolition in housing, child care facilities and schools built before 1978.
- If you plan to do any work designed to reduce or eliminate lead-based paint, lead-contaminated dust, or lead-contaminated soil in or on residential or public buildings in California, State law requires you to be a CDPH LRC certified Lead Supervisor or Worker (Title 17, CCR, Section 36100(a)(1)). Certification is not required for those conducting abatement activities, also known as "interim controls", which are designed to reduce or eliminate lead hazards from a building for less than 20 years. However, other requirements in Title 17 still apply.
- If you will be working in a residential or public building and the lead-related construction work you plan to do will expose you to airborne lead at or above the 8-hour permissible exposure limit (PEL) of 50 µg/m<sup>3</sup>, California OSHA's Title 8, California Code of Regulations Section 1532.1 requires you to be trained and CDPH LRC certified.



- In some cases, CDPH LRC certification is not required for those who design or work on projects intended to reduce lead-based paint, lead-contaminated dust, or lead-contaminated soil from a residential or public building if the results are designed to last for less than 20 years. Such work, involving methods often called interim controls, is designed to make buildings lead-safe by temporarily controlling, but not permanently removing, the lead-based paint or lead hazards.
- If you perform projects using interim controls to abate lead-based paint or lead hazards, you must follow the guidelines outlined in Chapter 11 of the U.S. Housing & Urban Development, Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing. You must also comply with California's work practice regulations for lead-related construction (Title 17, CCR, Sections 36000 and 36100) including notifying CDPH of abatement activities and using containment and work practices that prevent lead contaminated dust, soil or paint debris from spreading to non-work areas.
- BEM recommends compliance with all federal, state and local regulations concerning lead paint

### **LEAD WARRANTY**

Site inspections and sample collection methodologies are performed to meet regulatory standards and industry protocols. BEM warrants that the findings contained herein have been promulgated in general accordance with accepted professional practices at the time of its preparation as applied by professionals in the community. There is a possibility that conditions may exist which could not be identified within the scope of the survey or were not apparent or accessible during the site visit.

### **CERTIFICATION**

Inspection services relative to the Subject Site were provided by BEM's Mr. Brett L. Bovée & Anthony J. Miller, Certified Asbestos Consultants, No. 95-1643, expiration on 03/08/2024 & Number 19-6474, expiration on 04/17/2024. and California Department of Public Health Inspector/Assessor's/Project Monitor, ID# 1493/1494, expiration on 07/07/2024 & ID# 8476, expiration on 03/24/24.

BEM looks forward to assisting you in the near future. If you have any questions regarding this report or other BEM services, please do not hesitate to call us at (209) 847-3800 or (559) 264-3800.

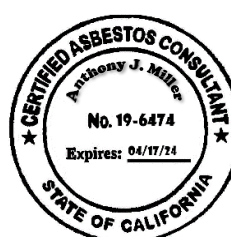
Regards,

*Brett L. Bovée*

Brett L. Bovée, CAC, CMC, CDPH  
Certified Asbestos Consultant No. 95-1643  
CDPH Inspector/Assessor, ID# 1494  
CDPH Project Monitor, ID# 1493

*Anthony J. Miller*

Anthony J. Miller, CAC, CDPH  
Certified Asbestos Consultant No. 19-6474  
CDPH Inspector/Assessor, ID# 8476





# **ATTACHMENT A**

## **BEM SAMPLE FIELD SHEETS**



# CHAIN OF CUSTODY

1643 3<sup>RD</sup> STREET

ESCALON, CA 95320

833-643-3800 • BEM@BOVEEINC.COM

|               |          |                                                                         |
|---------------|----------|-------------------------------------------------------------------------|
| BEM PROJECT # | 23-60071 | TURN-AROUND TIME                                                        |
| SAMPLE DATE:  | 3-21-23  | <input type="radio"/> SAME DAY <input checked="" type="radio"/> 24HOURS |
| SURVEY TYPE:  | Demol    | <input type="radio"/>                                                   |

|                  |                                                               |                                  |         |     |           |                                                                                                  |     |     |             |       |     |     |  |
|------------------|---------------------------------------------------------------|----------------------------------|---------|-----|-----------|--------------------------------------------------------------------------------------------------|-----|-----|-------------|-------|-----|-----|--|
| Project Name:    |                                                               | Hanger BBQ, Commercial           |         |     |           | Point Count Trace Results                                                                        |     |     |             |       |     |     |  |
| Address:         |                                                               | 26 Macready Dr, Merced, CA 95341 |         |     |           | <input checked="" type="radio"/> YES-400 <input type="radio"/> YES-1000 <input type="radio"/> NO |     |     |             |       |     |     |  |
| Type of Loss:    |                                                               | ASB & Lead Demo                  |         |     |           |                                                                                                  |     |     |             |       |     |     |  |
| Areas Inspected: |                                                               | Hanger Bar: T10 int. & ext.      |         |     |           |                                                                                                  |     |     |             |       |     |     |  |
| Sample#          | Sample Description                                            | Surface                          | T. Time | LPM | Vol./Qua. | PLM                                                                                              | XRF | PCM | Mold Direct | E-COL | TEM | AAS |  |
| 60071<br>01      | Mat. Desc.: concrete<br>Mat. Loc.: T10 (foundation)           | W C FL<br>○○●                    |         |     |           | ●                                                                                                | ○   | ○   | ○           | ○     | ○   | ○   |  |
| -02              | Mat. Desc.: CTC<br>Mat. Loc.: Bar                             | W C FL<br>○○●                    |         |     |           | ●                                                                                                | ○   | ○   | ○           | ○     | ○   | ○   |  |
| -03              | Mat. Desc.: 2x12 VFT<br>Mat. Loc.: Hall, Bath 1, Storage Area | W C FL<br>○○●                    |         |     |           | ●                                                                                                | ○   | ○   | ○           | ○     | ○   | ○   |  |
| -04              | Mat. Desc.: Mastic<br>Mat. Loc.: "                            | W C FL<br>○○●                    |         |     |           | ●                                                                                                | ○   | ○   | ○           | ○     | ○   | ○   |  |
| -05              | Mat. Desc.: CBM<br>Mat. Loc.: T10 (Baseboards)                | W C FL<br>●○○                    |         |     |           | ●                                                                                                | ○   | ○   | ○           | ○     | ○   | ○   |  |
| -06              | Mat. Desc.: WPM<br>Mat. Loc.: Bar & Bath 1                    | W C FL<br>●○○                    |         |     |           | ●                                                                                                | ○   | ○   | ○           | ○     | ○   | ○   |  |
| -07              | Mat. Desc.: SR<br>Mat. Loc.: WH closet                        | W C FL<br>●○○                    |         |     |           | ●                                                                                                | ○   | ○   | ○           | ○     | ○   | ○   |  |
| -08              | Mat. Desc.: ST<br>Mat. Loc.: RM 1                             | W C FL<br>●○○                    |         |     |           | ●                                                                                                | ○   | ○   | ○           | ○     | ○   | ○   |  |
| -09              | Mat. Desc.: ST/SC<br>Mat. Loc.: "                             | W C FL<br>●○○                    |         |     |           | ●                                                                                                | ○   | ○   | ○           | ○     | ○   | ○   |  |
| -10              | Mat. Desc.: ST<br>Mat. Loc.: Bath 1, Hall, Storage Area VW+C  | W C FL<br>●○○                    |         |     |           | ●                                                                                                | ○   | ○   | ○           | ○     | ○   | ○   |  |
| -11              | Mat. Desc.: ST<br>Mat. Loc.: " VW+C                           | W C FL<br>●○○                    |         |     |           | ●                                                                                                | ○   | ○   | ○           | ○     | ○   | ○   |  |
| -12              | Mat. Desc.: ST/SC<br>Mat. Loc.: " VW+C                        | W C FL<br>●○○                    |         |     |           | ●                                                                                                | ○   | ○   | ○           | ○     | ○   | ○   |  |
| -13              | Mat. Desc.: Paint<br>Mat. Loc.: Ext.                          | W C FL<br>●○○                    |         |     |           | ●                                                                                                | ○   | ○   | ○           | ○     | ○   | ○   |  |
| -14              | Mat. Desc.: Roofmat<br>Mat. Loc.: Roof (West Area)            | W C FL<br>○○○                    |         |     |           | ●                                                                                                | ○   | ○   | ○           | ○     | ○   | ○   |  |
| -15              | Mat. Desc.: Roofmat<br>Mat. Loc.: Roof (East Area)            | W C FL<br>○○○                    |         |     |           | ●                                                                                                | ○   | ○   | ○           | ○     | ○   | ○   |  |
| -16              | Mat. Desc.: P-mastic<br>Mat. Loc.: Roof (Edges)               | W C FL<br>○○○                    |         |     |           | ●                                                                                                | ○   | ○   | ○           | ○     | ○   | ○   |  |
|                  | Mat. Desc.:<br>Mat. Loc.:                                     | W C FL<br>○○○                    |         |     |           | ○                                                                                                | ○   | ○   | ○           | ○     | ○   | ○   |  |

|                                 |                           |                  |              |
|---------------------------------|---------------------------|------------------|--------------|
| Relinquished by: Anthony Miller | Received by: AF           | Relinquished by: | Received by: |
| X <i>Anthony Miller</i>         | X                         | X                | X            |
| Time/Date: 3-21-23              | Time/Date: 3/22/23 8:00AM | Time/Date:       | Time/Date:   |

BEM USE ONLY: Accept Samples ☒ Yes In. AF date 3/22

Version: FCOC.03.15.22.1/1.QM



# CHAIN OF CUSTODY

1643 3<sup>RD</sup> STREET

ESCALON, CA 95320

833-643-3800 • BEM@BOVEEINC.COM

|               |          |                                                                         |
|---------------|----------|-------------------------------------------------------------------------|
| BEM PROJECT # | 23-60071 | TURN-AROUND TIME                                                        |
| SAMPLE DATE:  | 3-21-23  | <input type="radio"/> SAME DAY <input checked="" type="radio"/> 24HOURS |
| SURVEY TYPE:  | Demol    | <input type="radio"/>                                                   |

| Project Name: Hanger BBQ, Commercial                                                                                |                                                            |                           |         |                  |           | Point Count Trace Results                                                                        |     |     |             |       |     |     |  |
|---------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|---------------------------|---------|------------------|-----------|--------------------------------------------------------------------------------------------------|-----|-----|-------------|-------|-----|-----|--|
| Address: 26 Macready Dr, Merced, CA 95341                                                                           |                                                            |                           |         |                  |           | <input checked="" type="radio"/> YES-400 <input type="radio"/> YES-1000 <input type="radio"/> NO |     |     |             |       |     |     |  |
| Type of Loss: ASB & Lead Demo                                                                                       |                                                            |                           |         |                  |           |                                                                                                  |     |     |             |       |     |     |  |
| Areas Inspected: Detached Baths : T/O int. & ext.                                                                   |                                                            |                           |         |                  |           |                                                                                                  |     |     |             |       |     |     |  |
| Sample#                                                                                                             | Sample Description                                         | Surface                   | T. Time | LPM              | Vol./Qua. | PUM                                                                                              | XRF | PCM | Mold Direct | E-COI | TEM | AAS |  |
| 60071-17                                                                                                            | Mat. Desc: concrete<br>Mat. Loc.: T/O (foundation)         | W C FL<br>○○●             |         |                  |           | ●                                                                                                | ○   | ○   | ○           | ○     | ○   | ○   |  |
| -18                                                                                                                 | Mat. Desc: wpm<br>Mat. Loc.: T/O                           | W C FL<br>●○○             |         |                  |           | ●                                                                                                | ○   | ○   | ○           | ○     | ○   | ○   |  |
| -19                                                                                                                 | Mat. Desc: ST<br>Mat. Loc.: "                              | W C FL<br>●●○○            |         |                  |           | ●                                                                                                | ○   | ○   | ○           | ○     | ○   | ○   |  |
| -20                                                                                                                 | Mat. Desc: ST<br>Mat. Loc.: "                              | W C FL<br>●●○○            |         |                  |           | ●                                                                                                | ○   | ○   | ○           | ○     | ○   | ○   |  |
| -21                                                                                                                 | Mat. Desc: ST/SC<br>Mat. Loc.: "                           | W C FL<br>●●○○            |         |                  |           | ●                                                                                                | ○   | ○   | ○           | ○     | ○   | ○   |  |
| -22                                                                                                                 | Mat. Desc: Paint<br>Mat. Loc.: Ext.                        | W C FL<br>●○○             |         |                  |           | ●                                                                                                | ○   | ○   | ○           | ○     | ○   | ○   |  |
| -23                                                                                                                 | Mat. Desc: Roof mat<br>Mat. Loc.: Roof                     | W C FL<br>○○○             |         |                  |           | ●                                                                                                | ○   | ○   | ○           | ○     | ○   | ○   |  |
| -24                                                                                                                 | Mat. Desc: P.mastic<br>Mat. Loc.: Roof (Penetrations only) | W C FL<br>○○○             |         |                  |           | ●                                                                                                | ○   | ○   | ○           | ○     | ○   | ○   |  |
|                                                                                                                     | Mat. Desc.:<br>Mat. Loc.:                                  | W C FL<br>○○○             |         |                  |           | ○                                                                                                | ○   | ○   | ○           | ○     | ○   | ○   |  |
|                                                                                                                     | Mat. Desc.:<br>Mat. Loc.:                                  | W C FL<br>○○○             |         |                  |           | ○                                                                                                | ○   | ○   | ○           | ○     | ○   | ○   |  |
|                                                                                                                     | Mat. Desc.:<br>Mat. Loc.:                                  | W C FL<br>○○○             |         |                  |           | ○                                                                                                | ○   | ○   | ○           | ○     | ○   | ○   |  |
|                                                                                                                     | Mat. Desc.:<br>Mat. Loc.:                                  | W C FL<br>○○○             |         |                  |           | ○                                                                                                | ○   | ○   | ○           | ○     | ○   | ○   |  |
|                                                                                                                     | Mat. Desc.:<br>Mat. Loc.:                                  | W C FL<br>○○○             |         |                  |           | ○                                                                                                | ○   | ○   | ○           | ○     | ○   | ○   |  |
|                                                                                                                     | Mat. Desc.:<br>Mat. Loc.:                                  | W C FL<br>○○○             |         |                  |           | ○                                                                                                | ○   | ○   | ○           | ○     | ○   | ○   |  |
|                                                                                                                     | Mat. Desc.:<br>Mat. Loc.:                                  | W C FL<br>○○○             |         |                  |           | ○                                                                                                | ○   | ○   | ○           | ○     | ○   | ○   |  |
|                                                                                                                     | Mat. Desc.:<br>Mat. Loc.:                                  | W C FL<br>○○○             |         |                  |           | ○                                                                                                | ○   | ○   | ○           | ○     | ○   | ○   |  |
|                                                                                                                     | Mat. Desc.:<br>Mat. Loc.:                                  | W C FL<br>○○○             |         |                  |           | ○                                                                                                | ○   | ○   | ○           | ○     | ○   | ○   |  |
| Relinquished by: Anthony Miller                                                                                     |                                                            | Received by: AF           |         | Relinquished by: |           | Received by:                                                                                     |     |     |             |       |     |     |  |
| X [Signature]                                                                                                       |                                                            | X                         |         | X                |           | X                                                                                                |     |     |             |       |     |     |  |
| Time/Date: 3-21-23                                                                                                  |                                                            | Time/Date: 3/22/23 8:00AM |         | Time/Date:       |           | Time/Date:                                                                                       |     |     |             |       |     |     |  |
| BEM USE ONLY: Accept Samples <input checked="" type="checkbox"/> Yes In. AF date 3/22 Version: FCOC.03.15.22.1/1.QM |                                                            |                           |         |                  |           |                                                                                                  |     |     |             |       |     |     |  |

pg 2 of 3



# CHAIN OF CUSTODY

1643 3<sup>RD</sup> STREET

ESCALON, CA 95320

833-643-3800 • BEM@BOVEEINC.COM

|               |          |                                                                          |
|---------------|----------|--------------------------------------------------------------------------|
| BEM PROJECT # | 23-60071 | TURN-AROUND TIME                                                         |
| SAMPLE DATE:  | 3-21-23  | <input type="radio"/> SAME DAY <input checked="" type="radio"/> 24 HOURS |
| SURVEY TYPE:  | Demo     | <input type="radio"/>                                                    |

|                                                                                                                     |                                                |                                                          |         |                  |           |                                                                                                  |                                  |                       |                       |                       |                       |                       |  |
|---------------------------------------------------------------------------------------------------------------------|------------------------------------------------|----------------------------------------------------------|---------|------------------|-----------|--------------------------------------------------------------------------------------------------|----------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--|
| Project Name:                                                                                                       |                                                | Hanger BBQ, Commercial                                   |         |                  |           | Point Count Trace Results                                                                        |                                  |                       |                       |                       |                       |                       |  |
| Address:                                                                                                            |                                                | 26 Macready Dr, Merced, CA 95341                         |         |                  |           | <input checked="" type="radio"/> YES-400 <input type="radio"/> YES-1000 <input type="radio"/> NO |                                  |                       |                       |                       |                       |                       |  |
| Type of Loss:                                                                                                       |                                                | ASB & Lead Demo                                          |         |                  |           |                                                                                                  |                                  |                       |                       |                       |                       |                       |  |
| Areas Inspected:                                                                                                    |                                                | Hanger Bar: TIO int & ext, Detached Baths: TIO int & ext |         |                  |           |                                                                                                  |                                  |                       |                       |                       |                       |                       |  |
| Sample#                                                                                                             | Sample Description                             | Surface                                                  | T. Time | LPM              | Vol./Qua. | PLM                                                                                              | XRF                              | PCM                   | Mold Direct           | E-COU                 | TEM                   | AAS                   |  |
| 60071                                                                                                               | Mat. Desc.: CT (Multi)                         | W C FL                                                   |         |                  |           |                                                                                                  |                                  |                       |                       |                       |                       |                       |  |
| -L1                                                                                                                 | Mat. Loc.: Hanger Bar: Bar (floors & Base) NDO | ●○○                                                      |         |                  |           | <input type="radio"/>                                                                            | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |  |
| -L2                                                                                                                 | Mat. Desc.: paint (multi) wood trim            | W C FL                                                   |         |                  |           |                                                                                                  |                                  |                       |                       |                       |                       |                       |  |
|                                                                                                                     | Mat. Loc.: Hanger Bar: TIO VWTUC               | ●○○                                                      |         |                  |           | <input type="radio"/>                                                                            | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |  |
| -L3                                                                                                                 | Mat. Desc.: paint (multi) wood paneling        | W C FL                                                   |         |                  |           |                                                                                                  |                                  |                       |                       |                       |                       |                       |  |
|                                                                                                                     | Mat. Loc.: " VWTUC NDO                         | ●○○                                                      |         |                  |           | <input type="radio"/>                                                                            | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |  |
| -L4                                                                                                                 | Mat. Desc.: paint (multi) SR                   | W C FL                                                   |         |                  |           |                                                                                                  |                                  |                       |                       |                       |                       |                       |  |
|                                                                                                                     | Mat. Loc.: " VWTUC NDO                         | ●○○                                                      |         |                  |           | <input type="radio"/>                                                                            | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |  |
| -L5                                                                                                                 | Mat. Desc.: paint (Black) wood siding          | W C FL                                                   |         |                  |           |                                                                                                  |                                  |                       |                       |                       |                       |                       |  |
|                                                                                                                     | Mat. Loc.: Hanger Bar: Ext. NDO                | ●○○                                                      |         |                  |           | <input type="radio"/>                                                                            | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |  |
| -L6                                                                                                                 | Mat. Desc.: CT (white)                         | W C FL                                                   |         |                  |           |                                                                                                  |                                  |                       |                       |                       |                       |                       |  |
|                                                                                                                     | Mat. Loc.: Detached Baths: TIO (Base) NDO      | ●○○                                                      |         |                  |           | <input type="radio"/>                                                                            | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |  |
| -L7                                                                                                                 | Mat. Desc.: paint (white) wood trim            | W C FL                                                   |         |                  |           |                                                                                                  |                                  |                       |                       |                       |                       |                       |  |
|                                                                                                                     | Mat. Loc.: Detached Baths: TIO NDO             | ●○○                                                      |         |                  |           | <input type="radio"/>                                                                            | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |  |
| -L8                                                                                                                 | Mat. Desc.: paint (off white) SR               | W C FL                                                   |         |                  |           |                                                                                                  |                                  |                       |                       |                       |                       |                       |  |
|                                                                                                                     | Mat. Loc.: " NDO                               | ●○○                                                      |         |                  |           | <input type="radio"/>                                                                            | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |  |
| -L9                                                                                                                 | Mat. Desc.: paint (Black) wood trim            | W C FL                                                   |         |                  |           |                                                                                                  |                                  |                       |                       |                       |                       |                       |  |
|                                                                                                                     | Mat. Loc.: Detached Bath: Ext. NDO             | ●○○                                                      |         |                  |           | <input type="radio"/>                                                                            | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |  |
|                                                                                                                     | Mat. Desc.:                                    | W C FL                                                   |         |                  |           |                                                                                                  |                                  |                       |                       |                       |                       |                       |  |
|                                                                                                                     | Mat. Loc.:                                     | ○○○                                                      |         |                  |           | <input type="radio"/>                                                                            | <input type="radio"/>            | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |  |
|                                                                                                                     | Mat. Desc.:                                    | W C FL                                                   |         |                  |           |                                                                                                  |                                  |                       |                       |                       |                       |                       |  |
|                                                                                                                     | Mat. Loc.:                                     | ○○○                                                      |         |                  |           | <input type="radio"/>                                                                            | <input type="radio"/>            | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |  |
|                                                                                                                     | Mat. Desc.:                                    | W C FL                                                   |         |                  |           |                                                                                                  |                                  |                       |                       |                       |                       |                       |  |
|                                                                                                                     | Mat. Loc.:                                     | ○○○                                                      |         |                  |           | <input type="radio"/>                                                                            | <input type="radio"/>            | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |  |
|                                                                                                                     | Mat. Desc.:                                    | W C FL                                                   |         |                  |           |                                                                                                  |                                  |                       |                       |                       |                       |                       |  |
|                                                                                                                     | Mat. Loc.:                                     | ○○○                                                      |         |                  |           | <input type="radio"/>                                                                            | <input type="radio"/>            | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |  |
|                                                                                                                     | Mat. Desc.:                                    | W C FL                                                   |         |                  |           |                                                                                                  |                                  |                       |                       |                       |                       |                       |  |
|                                                                                                                     | Mat. Loc.:                                     | ○○○                                                      |         |                  |           | <input type="radio"/>                                                                            | <input type="radio"/>            | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |  |
|                                                                                                                     | Mat. Desc.:                                    | W C FL                                                   |         |                  |           |                                                                                                  |                                  |                       |                       |                       |                       |                       |  |
|                                                                                                                     | Mat. Loc.:                                     | ○○○                                                      |         |                  |           | <input type="radio"/>                                                                            | <input type="radio"/>            | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |  |
| Relinquished by: Anthony Miller                                                                                     |                                                | Received by: AF                                          |         | Relinquished by: |           | Received by:                                                                                     |                                  |                       |                       |                       |                       |                       |  |
| X <i>Anthony Miller</i>                                                                                             |                                                | X                                                        |         | X                |           | X                                                                                                |                                  |                       |                       |                       |                       |                       |  |
| Time/Date: 3-21-23                                                                                                  |                                                | Time/Date: 3/22/23 8:00AM                                |         | Time/Date:       |           | Time/Date:                                                                                       |                                  |                       |                       |                       |                       |                       |  |
| BEM USE ONLY: Accept Samples <input checked="" type="checkbox"/> Yes In. AF date 3/22 Version: FCOC.03.15.22.1/1.QM |                                                |                                                          |         |                  |           |                                                                                                  |                                  |                       |                       |                       |                       |                       |  |

P9 3083

# **ATTACHMENT B**

## **LABORATORY ANALYTICAL REPORTS**



**Report Prepared For:**

Bovee Environmental Management  
1643 3rd Street  
Escalon CA 95320

**Client Project:** 23-60071

**Report ID:** AE230843

Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on **March 22, 2023**. The samples were analyzed for asbestos using polarizing light microscopy (PLM) under EPA 600/R-93/116 and EPA – Appendix E to Subpart E of 40 CFR Part 763 Methods.

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

**TOTAL SAMPLES ANALYZED:** 24

**TOTAL LAYERS ANALYZED:** 28

**# LAYERS >1% ASBESTOS:** 0

Kind Regards,



A handwritten signature in black ink, reading "Danielle Carrier", is written over a horizontal line.

**Danielle Carrier**

**Laboratory Director**





## **ASBESTOS REPORT SUMMARY**

By: POLARIZED LIGHT MICROSCOPY

**Client Project:** 23-60071      **Report ID:** AE230843

**Client:** Bovee Environmental Management  
1643 3rd Street  
Escalon CA 95320

**Methodology:** EPA 600/R-93/116 and EPA – Appendix E to Subpart E of 40 CFR Part 763

| <b>Client ID</b> | <b>Layer</b> | <b>Lab ID</b> | <b>Color</b> | <b>Sample Description</b>  | <b>% Asbestos</b> |
|------------------|--------------|---------------|--------------|----------------------------|-------------------|
| 60071-01         | 1            | AE2305503     | Gray         | Concrete                   | None Detected     |
| 60071-02         | 1            | AE2305504     | Gray         | Ceramic Tile Cement        | None Detected     |
| 60071-03         | 1            | AE2305505     | Off White    | 12 x 12 Vinyl Floor Tile   | None Detected     |
| 60071-04         | 1            | AE2305506     | Yellow       | Mastic                     | None Detected     |
| 60071-05         | 1            | AE2305507     | Off White    | Covebase Mastic            | None Detected     |
| 60071-06         | 1            | AE2305508     | Off White    | Wall Panel Mastic          | None Detected     |
| 60071-07         | 1            | AE2305509     | Brown/White  | Sheetrock                  | None Detected     |
| 60071-08         | 1            | AE2305510     | White        | Surface Texture            | None Detected     |
| 60071-09         | 1            | AE2305511     | Brown/White  | Sheetrock / Joint Compound | None Detected     |
| 60071-10         | 1            | AE2305512     | White        | Surface Texture            | None Detected     |
| 60071-11         | 1            | AE2305513     | White        | Surface Texture            | None Detected     |
| 60071-12         | 1            | AE2305514     | Brown/White  | Sheetrock / Joint Compound | None Detected     |



## ASBESTOS REPORT SUMMARY

By: POLARIZED LIGHT MICROSCOPY

Client Project: 23-60071 Report ID: AE230843

**Client:** Bovee Environmental Management  
1643 3rd Street  
Escalon CA 95320

**Methodology:** EPA 600/R-93/116 and EPA – Appendix E to Subpart E of 40 CFR Part 763

| Client ID | Layer | Lab ID    | Color       | Sample Description         | % Asbestos    |
|-----------|-------|-----------|-------------|----------------------------|---------------|
| 60071-13  | 1     | AE2305515 | Black       | Paint                      | None Detected |
| 60071-14  | 1     | AE2305516 | White       | Roofing (Cap Sheet)        | None Detected |
|           | 2     |           | Black       | Roofing (Tar & Felts)      | None Detected |
|           | 3     |           | Yellow      | Roofing (Insulation)       | None Detected |
| 60071-15  | 1     | AE2305517 | White       | Roofing (Cap Sheet)        | None Detected |
|           | 2     |           | Black       | Roofing (Tar & Felts)      | None Detected |
|           | 3     |           | Yellow      | Roofing (Insulation)       | None Detected |
| 60071-16  | 1     | AE2305518 | Black       | Penetration Mastic         | None Detected |
| 60071-17  | 1     | AE2305519 | Brown       | Concrete                   | None Detected |
| 60071-18  | 1     | AE2305520 | Off White   | Wall Panel Mastic          | None Detected |
| 60071-19  | 1     | AE2305521 | White       | Surface Texture            | None Detected |
| 60071-20  | 1     | AE2305522 | White       | Surface Texture            | None Detected |
| 60071-21  | 1     | AE2305523 | Brown/White | Sheetrock / Joint Compound | None Detected |



## **ASBESTOS REPORT SUMMARY**

By: POLARIZED LIGHT MICROSCOPY

**Client Project:** 23-60071      **Report ID:** AE230843

**Client:** Bovee Environmental Management  
1643 3rd Street  
Escalon CA 95320

**Methodology:** EPA 600/R-93/116 and EPA – Appendix E to Subpart E of 40 CFR Part 763

| Client ID | Layer | Lab ID    | Color | Sample Description | % Asbestos    |
|-----------|-------|-----------|-------|--------------------|---------------|
| 60071-22  | 1     | AE2305524 | Black | Paint              | None Detected |
| 60071-23  | 1     | AE2305525 | Black | Roof Material      | None Detected |
| 60071-24  | 1     | AE2305526 | Black | Penetration Mastic | None Detected |



# ASBESTOS BULK ANALYSIS

By: POLARIZED LIGHT MICROSCOPY

**Client:** Bovee Environmental Management  
1643 3rd Street  
Escalon CA 95320

**Report ID:** AE230843  
**Received:** 03/22/2023  
**Analyzed:** 03/23/2023  
**Reported:** 03/23/2023

**Client Project:** 23-60071

**Methodology:** EPA 600/R-93/116 and EPA – Appendix E to Subpart E of 40 CFR Part 763

| Client ID<br>Sample ID | Lab<br>Description          | Lab<br>Attributes                                        | NON-ASBESTOS COMPONENTS |                                         | ASBESTOS          |               |
|------------------------|-----------------------------|----------------------------------------------------------|-------------------------|-----------------------------------------|-------------------|---------------|
|                        |                             |                                                          | Fibrous                 | Non-Fibrous                             | %                 |               |
| 60071-01<br>AE2305503  | Concrete                    | Gray<br>Homogeneous<br>Non-Fibrous<br>Bound              |                         | Silicates<br>Binder/Filler              | 70%<br>30%        | None Detected |
| 60071-02<br>AE2305504  | Ceramic Tile Cement         | Gray<br>Homogeneous<br>Non-Fibrous<br>Bound              |                         | Silicates<br>Binder/Filler              | 65%<br>35%        | None Detected |
| 60071-03<br>AE2305505  | 12 x 12 Vinyl Floor<br>Tile | Off White<br>Homogeneous<br>Non-Fibrous<br>Tightly Bound |                         | Calcium Carbonate<br>Vinyl Binder       | 35%<br>65%        | None Detected |
| 60071-04<br>AE2305506  | Mastic                      | Yellow<br>Homogeneous<br>Non-Fibrous<br>Bound            |                         | Mastic                                  | 100%              | None Detected |
| 60071-05<br>AE2305507  | Covebase Mastic             | Off White<br>Heterogeneous<br>Non-Fibrous<br>Bound       |                         | Calcium Carbonate<br>Mastic             | 15%<br>85%        | None Detected |
| 60071-06<br>AE2305508  | Wall Panel Mastic           | Off White<br>Heterogeneous<br>Non-Fibrous<br>Bound       |                         | Calcium Carbonate<br>Mastic             | 15%<br>85%        | None Detected |
| 60071-07<br>AE2305509  | Sheetrock                   | Brown/White<br>Heterogeneous<br>Fibrous<br>Bound         | Cellulose Fiber<br>20%  | Silicates<br>Gypsum                     | 10%<br>70%        | None Detected |
| 60071-08<br>AE2305510  | Surface Texture             | White<br>Heterogeneous<br>Non-Fibrous<br>Bound           |                         | Paint<br>Silicates<br>Calcium Carbonate | 10%<br>15%<br>75% | None Detected |



# ASBESTOS BULK ANALYSIS

By: POLARIZED LIGHT MICROSCOPY

**Client:** Bovee Environmental Management  
1643 3rd Street  
Escalon CA 95320

**Report ID:** AE230843  
**Received:** 03/22/2023  
**Analyzed:** 03/23/2023  
**Reported:** 03/23/2023

**Client Project:** 23-60071

**Methodology:** EPA 600/R-93/116 and EPA – Appendix E to Subpart E of 40 CFR Part 763

| Client ID<br>Sample ID | Lab<br>Description               | Lab<br>Attributes                                | NON-ASBESTOS COMPONENTS          |            |                              |                  | ASBESTOS<br>% |
|------------------------|----------------------------------|--------------------------------------------------|----------------------------------|------------|------------------------------|------------------|---------------|
|                        |                                  |                                                  | Fibrous                          |            | Non-Fibrous                  |                  |               |
| 60071-09<br>AE2305511  | Sheetrock / Joint<br>Compound    | Brown/White<br>Heterogeneous<br>Fibrous<br>Bound | Cellulose Fiber                  | 20%        | Paint<br>Silicates<br>Gypsum | 3%<br>10%<br>67% | None Detected |
| 60071-10<br>AE2305512  | Surface Texture                  | White<br>Heterogeneous<br>Fibrous<br>Bound       | Cellulose Fiber                  | 10%        | Paint                        | 90%              | None Detected |
| 60071-11<br>AE2305513  | Surface Texture                  | White<br>Heterogeneous<br>Fibrous<br>Bound       | Cellulose Fiber                  | 10%        | Paint                        | 90%              | None Detected |
| 60071-12<br>AE2305514  | Sheetrock / Joint<br>Compound    | Brown/White<br>Heterogeneous<br>Fibrous<br>Bound | Cellulose Fiber                  | 20%        | Paint<br>Silicates<br>Gypsum | 3%<br>10%<br>67% | None Detected |
| 60071-13<br>AE2305515  | Paint                            | Black<br>Homogeneous<br>Fibrous<br>Bound         | Cellulose Fiber                  | 10%        | Paint                        | 90%              | None Detected |
| 60071-14<br>AE2305516  | LAYER 1<br>Roofing (Cap Sheet)   | White<br>Homogeneous<br>white<br>Bound           | Calcium Carbonate                | 10%        | Vinyl Binder                 | 90%              | None Detected |
|                        | LAYER 2<br>Roofing (Tar & Felts) | Black<br>Heterogeneous<br>Fibrous<br>Bound       | Cellulose Fiber<br>Fibrous Glass | 10%<br>25% | Tar                          | 65%              | None Detected |
|                        | LAYER 3<br>Roofing (Insulation)  | Yellow<br>Homogeneous<br>Non-Fibrous<br>Bound    |                                  |            | Foam                         | 100%             | None Detected |



# ASBESTOS BULK ANALYSIS

By: POLARIZED LIGHT MICROSCOPY

**Client:** Bovee Environmental Management  
1643 3rd Street  
Escalon CA 95320

**Report ID:** AE230843  
**Received:** 03/22/2023  
**Analyzed:** 03/23/2023  
**Reported:** 03/23/2023

**Client Project:** 23-60071

**Methodology:** EPA 600/R-93/116 and EPA – Appendix E to Subpart E of 40 CFR Part 763

| Client ID<br>Sample ID | Lab<br>Description               | Lab<br>Attributes                                | NON-ASBESTOS COMPONENTS          |            |                                         | ASBESTOS          |               |
|------------------------|----------------------------------|--------------------------------------------------|----------------------------------|------------|-----------------------------------------|-------------------|---------------|
|                        |                                  |                                                  | Fibrous                          |            | Non-Fibrous                             | %                 |               |
| 60071-15<br>AE2305517  | LAYER 1<br>Roofing (Cap Sheet)   | White<br>Homogeneous<br>white<br>Bound           | Calcium Carbonate                | 10%        | Vinyl Binder                            | 90%               | None Detected |
|                        | LAYER 2<br>Roofing (Tar & Felts) | Black<br>Heterogeneous<br>Fibrous<br>Bound       | Cellulose Fiber<br>Fibrous Glass | 10%<br>25% | Tar                                     | 65%               | None Detected |
|                        | LAYER 3<br>Roofing (Insulation)  | Yellow<br>Homogeneous<br>Non-Fibrous<br>Bound    |                                  |            | Foam                                    | 100%              | None Detected |
| 60071-16<br>AE2305518  | Penetration Mastic               | Black<br>Homogeneous<br>Fibrous<br>Bound         | Cellulose Fiber                  | 10%        | Calcium Carbonate<br>Tar                | 10%<br>80%        | None Detected |
| 60071-17<br>AE2305519  | Concrete                         | Brown<br>Homogeneous<br>Non-Fibrous<br>Bound     |                                  |            | Silicates<br>Binder/Filler              | 65%<br>35%        | None Detected |
| 60071-18<br>AE2305520  | Wall Panel Mastic                | Off White<br>Homogeneous<br>Non-Fibrous<br>Bound |                                  |            | Calcium Carbonate<br>Mastic             | 15%<br>85%        | None Detected |
| 60071-19<br>AE2305521  | Surface Texture                  | White<br>Heterogeneous<br>Non-Fibrous<br>Bound   |                                  |            | Paint<br>Silicates<br>Calcium Carbonate | 10%<br>15%<br>75% | None Detected |
| 60071-20<br>AE2305522  | Surface Texture                  | White<br>Heterogeneous<br>Non-Fibrous<br>Bound   |                                  |            | Paint<br>Silicates<br>Calcium Carbonate | 10%<br>15%<br>75% | None Detected |





## ASBESTOS BULK ANALYSIS

By: POLARIZED LIGHT MICROSCOPY

**Client:** Bovee Environmental Management  
1643 3rd Street  
Escalon CA 95320

**Report ID:** AE230843  
**Received:** 03/22/2023  
**Analyzed:** 03/23/2023  
**Reported:** 03/23/2023

**Client Project:** 23-60071

**Methodology:** EPA 600/R-93/116 and EPA – Appendix E to Subpart E of 40 CFR Part 763

| Client ID<br>Sample ID | Lab<br>Description            | Lab<br>Attributes                                | NON-ASBESTOS COMPONENTS                             |                   |                              |                  | ASBESTOS<br>% |
|------------------------|-------------------------------|--------------------------------------------------|-----------------------------------------------------|-------------------|------------------------------|------------------|---------------|
|                        |                               |                                                  | Fibrous                                             |                   | Non-Fibrous                  |                  |               |
| 60071-21<br>AE2305523  | Sheetrock / Joint<br>Compound | Brown/White<br>Heterogeneous<br>Fibrous<br>Bound | Cellulose Fiber                                     | 20%               | Paint<br>Silicates<br>Gypsum | 3%<br>10%<br>67% | None Detected |
| 60071-22<br>AE2305524  | Paint                         | Black<br>Homogeneous<br>Fibrous<br>Bound         | Cellulose Fiber                                     | 10%               | Paint                        | 90%              | None Detected |
| 60071-23<br>AE2305525  | Roof Material                 | Black<br>Heterogeneous<br>Fibrous<br>Bound       | Cellulose Fiber<br>Synthetic Fiber<br>Fibrous Glass | 10%<br>20%<br>10% | Tar                          | 60%              | None Detected |
| 60071-24<br>AE2305526  | Penetration Mastic            | Black<br>Homogeneous<br>Fibrous<br>Bound         | Cellulose Fiber                                     | 10%               | Calcium Carbonate<br>Tar     | 10%<br>80%       | None Detected |



## ASBESTOS BULK ANALYSIS

By: POLARIZED LIGHT MICROSCOPY

**Client:** Bovee Environmental Management  
1643 3rd Street  
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**Reported:** 03/23/2023

**Client Project:** 23-60071

---

**LEGEND:** Non-Anth = Non-Asbestiform Anthophyllite      Non-Trem = Non-Asbestiform Tremolite

---

**METHOD:** EPA 600/R-93/116 and EPA – Appendix E to Subpart E of 40 CFR Part 763

---

**REPORTING LIMIT:** <1% by Visual Estimation

---

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

---

**REGULATORY LIMIT:** >1% by Weight


---

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

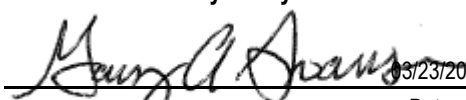
This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Bovee Environmental Management, Inc (BEM). BEM makes no warranty representation regarding the accuracy of customer submitted information in preparing and presenting analytical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

BEM is accredited for Asbestos Analysis of Bulk Building Materials by PLM by the National Voluntary Laboratory Accreditation Program (NVLAP Lab Code 600260-0)

**Report Authorized By**

  
Danielle Carrier, Laboratory Director      03/23/2023  
Date

**Analyzed By**

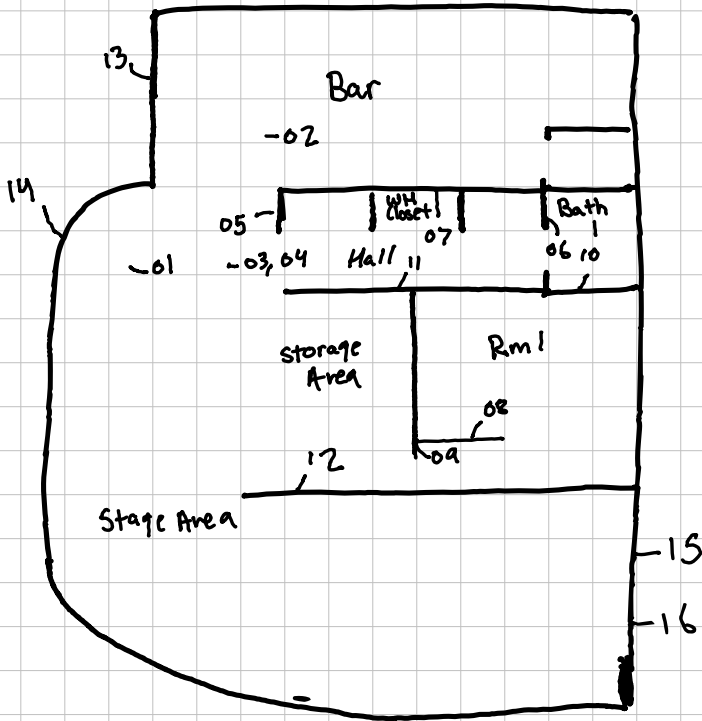
  
Gary Swanson      03/23/2023  
Date



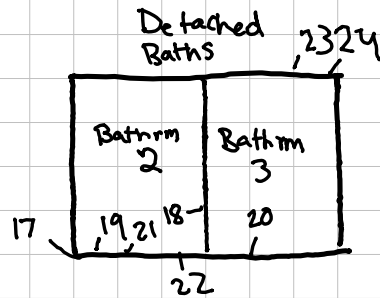
# **ATTACHMENT C**

## **SITE DRAWING**

# Hanger Bar



23-60071  
Site Diagram





# **ASBESTOS & LEAD PAINT INSPECTION REPORT**

**A P R I L 3 , 2 0 2 3**

**BEM PROJECT NO. 23-60177**

Site

**Airport Storage Building  
26 Macready Drive  
Merced, CA 95341**

Prepared For

**Ms. Amber Minami  
City of Merced  
678 West 18th Street  
Merced, CA 95340**

Prepared By

**BOVEE ENVIRONMENTAL MANAGEMENT, INC.**

**1643 3<sup>rd</sup> Street, Escalon, CA 95320**

**Escalon 209-847-3800 • Fresno 559-264-3800 • Bakersfield 661-246-2110 • Sacramento 916-564-3838**



April 3, 2023

Ms. Amber Minami  
City of Merced  
678 West 18th Street  
Merced, CA 95340

Ms. Minami:

Bovee Environmental Management, Inc. (BEM) is pleased to provide this Asbestos & Lead Paint Survey Report regarding our asbestos and lead paint inspection services at the Project Site summarized below.

#### PROJECT SUMMARY TABLE

| PROJECT SITE NAME        | PROJECT SITE LOCATION               | PROJECT SITE NOTE |
|--------------------------|-------------------------------------|-------------------|
| Airport Storage Building | 26 Macready Drive, Merced, CA 95341 | Demolition        |
| INSPECTION TYPE          | INSPECTED AREAS                     | INSPECTION DATE   |
| Asbestos & Lead Survey   | Interior & Exterior                 | March 30, 2023    |

#### ASBESTOS INSPECTION SUMMARY

Samples of building materials considered to be *suspect asbestos containing materials\** were identified and collected from the inspected areas referenced above to determine their asbestos content. Through proper chain-of-custody the collected samples are sent to BEM, Inc Laboratories for polarized light microscopy (PLM) analysis. A summary of all materials sampled and corresponding analytical results are listed below. Detailed information regarding sample number, actual sample location and analytical methods can be reviewed in attachments A and B.

#### SAMPLE COLLECTION SUMMARY

\*See definitions on page 2.

| #        | MATERIAL SAMPLED        | MATERIAL LOCATION      | ASBESTOS      | CATEGORY    | SQ.FT. |
|----------|-------------------------|------------------------|---------------|-------------|--------|
| 60177-01 | Concrete                | Foundation             | None Detected | -           | -      |
| 60177-02 | Linoleum                | Bathroom 1 & 2; Floors | None Detected | -           | -      |
| 60177-03 | Mastic                  | Bathroom 1 & 2; Floors | None Detected | -           | -      |
| 60177-04 | Linoleum                | Room 1; Floor          | None Detected | -           | -      |
| 60177-05 | Mastic                  | Room 1; Floor          | 5% Chrysotile | Category I* | 350    |
| 60177-06 | Carpet Mastic (Layer 1) | Floors Throughout      | None Detected | -           | -      |
| 60177-06 | Carpet Mastic (Layer 2) | Floors Throughout      | 3% Chrysotile | Category I* | 660    |

Sample Collection Continued on Page 2.

**BEM Project No. 23-60177**



| #        | MATERIAL SAMPLED         | MATERIAL LOCATION                             | ASBESTOS      | CATEGORY | SQ.FT. |
|----------|--------------------------|-----------------------------------------------|---------------|----------|--------|
| 60177-07 | Cove Base Mastic         | Bathroom 1 & 2; Baseboards                    | None Detected | -        | -      |
| 60177-08 | Wall Panel Mastic        | Room 2; Walls                                 | None Detected | -        | -      |
| 60177-09 | Sheetrock                | Room 2; Various Walls Beneath Wood Panels     | None Detected | -        | -      |
| 60177-10 | Surface Texture          | Room 1, 2, 3 & Hall; Various Walls & Ceilings | None Detected | -        | -      |
| 60177-11 | Surface Texture          | Room 1, 2, 3 & Hall; Various Walls & Ceilings | None Detected | -        | -      |
| 60177-12 | Sheetrock/Joint Compound | Room 1, 2, 3 & Hall; Various Walls & Ceilings | None Detected | -        | -      |
| 60177-13 | 1' x 1' Ceiling Tile     | Room 2; Ceiling                               | None Detected | -        | -      |
| 60177-14 | Mastic                   | Room 2; Ceiling                               | None Detected | -        | -      |
| 60177-15 | Fiberboard               | Room 1; Ceiling                               | None Detected | -        | -      |
| 60177-16 | Plaster                  | Bathroom 1 & 2; Walls & Ceilings              | None Detected | -        | -      |
| 60177-17 | Cinder Block             | Interior & Exterior Perimeter Walls           | None Detected | -        | -      |
| 60177-18 | Paint                    | Exterior Wood Trim                            | None Detected | -        | -      |
| 60177-19 | Roofing Material         | Roof (South Area)                             | None Detected | -        | -      |
| 60177-20 | Roofing Material         | Roof (North Area)                             | None Detected | -        | -      |

## ASBESTOS DEFINITIONS

Suspect Asbestos Containing Material (ACM) - Local air quality management districts consider a material that is not wood, metal or glass, to be a suspect ACM. All suspect ACMs are assumed to contain asbestos until laboratory analysis confirms that a material has no asbestos content.

Category – ACM's are classified as either "friable", material that can be easily crushed or pulverized by normal hand pressure or as "non-friable", material that cannot be easily crushed or pulverized by normal hand pressure. *Friable ACMs are considered a Regulated Asbestos Containing Material (RACM) requiring Class I work practices and engineering controls. Non-friable ACMs are considered either Category I or Category II Asbestos Containing Material requiring Class II work practices and engineering controls.*

Trace - Analytical result that is equal to or less than 1.0 percent asbestos by weight, but greater than 0.1 percent. Materials with a trace amount of asbestos have to be removed as asbestos containing construction material (ACCM) according to Cal-OSHA, but can be disposed as non-ACM upon point count analyses according to federal and state EPA regulations.

Homogeneous – Multiple samples collected of a suspect material that is similar in general appearance and from areas that appear to have been constructed at the same time are considered homogeneous. If multiple samples are collected from a similar material within a homogeneous area and only one of the multiple samples is found to contain asbestos, regulations mandate that the entirety of that material with the homogeneous area must be considered an ACM.

VFT – Vinyl Floor Tile    TBD – To be determined

## **ASBESTOS REGULATORY STANDARDS**

### California Occupational Safety and Health Administration (Cal-OSHA)

- Friable and Non-Friable ACCMs containing more than 0.1 percent asbestos by weight are regulated.
- Enforces regulations pertaining to workers performing ACCM removal and workers in close proximity.
- Contractors who disturb more than 100 square feet or 160 lineal feet of ACCM must be registered by the contractor's state license board as an asbestos removal contractor.
- Contractors who disturb any amount of ACCM must ensure employee protection by providing accredited training, medical examinations, personal protective equipment and a negative exposure assessment.

### United States Environmental Protection Agency (EPA)

- Friable and Non-Friable ACMs containing more than 1.0 percent asbestos by weight are regulated.
- Enforces regulations pertaining to protecting the environment, not workers.
- Abatement Contractors who disturb more than 160 square feet or 260 linear feet of ACM must comply with the National Emissions Standards for Hazardous Air Pollutants Asbestos Regulations (40 CFR 61, Subpart M) and all state and federal requirements regarding asbestos.

### Local Air Quality Control Districts

- Friable and Non-Friable ACM's containing more than 1.0 percent asbestos by weight are regulated.
- Enforces regulations pertaining to local air quality; "No Visible Air Emissions".
- Require an asbestos survey prior to renovation or demolition.
- Abatement Contractors who disturb more than 160 square feet or 260 linear feet of ACM must comply with the National Emissions Standards for Hazardous Air Pollutants Asbestos Regulations (40 CFR 61, Subpart M).

## **ASBESTOS RECOMMENDATIONS**

BEM recommends compliance with all federal, state and local regulations concerning asbestos.

## **ASBESTOS WARRANTY**

Samples of suspect asbestos containing building materials, which could be disturbed during construction activities, are collected by BEM. Site inspections and sample collection methodologies are performed to meet regulatory standards and industry protocols. BEM warrants that the findings contained herein have been promulgated in general accordance with accepted professional practices at the time of its preparation as applied by professionals in the community. There is a possibility that conditions may exist in which suspect ACM's could not be identified within the scope of the survey or were not apparent or accessible during the site visit. All scheduled work should cease and additional samples should be collected if unidentified suspect ACM's are discovered during construction activities.

*If quantities of asbestos containing materials are stated in this report, they are supplied for budgetary and regulatory notification purposes only. They should not be relied on for abatement bidding purposes.*

**LEAD INSPECTION SUMMARY**

BEM visually inspected and identified all painted components and substrates throughout the Subject Site that will be impacted during renovation activities. These painted surfaces were representatively sampled and analyzed for lead content. Utilizing an X-Ray Fluorescence Spectrometer (XRF), the painted substrates within the Subject Site's renovation/demolition areas were analyzed for their lead concentration levels. A summary of the painted substrates sampled and corresponding analytical results are listed below.

| #        | SAMPLE DESCRIPTION | PAINT LOCATION                           | LEAD mg/cm <sup>2</sup> |
|----------|--------------------|------------------------------------------|-------------------------|
| 60177-L1 | Paint (Multi)      | Wood Trim Throughout                     | 0                       |
| 60177-L2 | Paint (White)      | Sheetrock Walls & Ceilings Throughout    | 0                       |
| 60177-L3 | Paint (Off White)  | Bathroom 1 & 2; Plaster Walls & Ceilings | 0                       |
| 60177-L4 | Paint (Multi)      | Exterior Wood Trim                       | 0                       |
| 60177-L5 | Paint (Multi)      | Exterior Cinderblock Walls               | 0                       |

(Lead Based Paint =  $\geq 1.0$  mg/cm<sup>2</sup>) (Lead Containing Paint =  $< 1.0$  mg/cm<sup>2</sup>) (No Lead Detected = 0 mg/cm<sup>2</sup>)

**LEAD RECOMMENDATIONS**

Any painted substrate listed in the table above having a lead concentration level greater than or equal to 1.0 mg/cm<sup>2</sup> should be considered lead based paint. If these substrates are to be impacted during renovation activities then proper lead abatement practices, engineering controls and worker protection should meet all regulatory standards mandated by Cal-OSHA Title 8.

Any painted substrate listed in the table above having a lead concentration level less than 1.0 mg/cm<sup>2</sup> should be considered lead containing paint. Regulations mandated by Cal-OSHA Title 8 are still in effect for renovation activities.

Any painted substrate listed in the table above having a lead concentration level of 0 mg/cm<sup>2</sup> should be considered lead free paint, however regulations mandate that all workers involved in renovation activities shall receive appropriate EPA-RRP lead awareness training so that activities which could potentially create an exposure risk can be avoided.

BEM recommends compliance with all federal, state and local regulations concerning lead paint.

**LEAD PAINT REGULATIONS**

The following regulations may or may not pertain to this specific project, but are outlined to ensure contractor compliance.

- The Lead-in-Construction Standard is in place to protect the health and safety of employees who engage in lead-related construction work, including construction, demolition, renovation and repair. Contractors disturbing more than 100 square feet or more than 100 linear feet of lead-containing materials must take steps to prevent worker exposures to lead and are required to notify the Department of Industrial Relations at least 24 hours prior to beginning work.
- California OSHA (CAL/OSHA) requires a lead-work pre-job notification if the quantities of lead-containing materials to be disturbed exceeds 100 square feet or 100 linear feet OR if the tasks include torch cutting or welding exceeding 1 hour in any shift OR if the percentage of lead in the material to be disturbed exceeds 0.5% by weight (5,000 ppm), or 1.0 mg/square centimeter. The information and form required for notification can be found in 8CCR1532.1.

- The Cal/OSHA “Lead in Construction” standard recognizes any detectable (quantifiable) concentrations of lead as regulated materials. When performing lead related construction activities, workers must be protected when exposed to levels above the current permissible exposure limit (PEL) of 50ug/cm<sup>2</sup>, regardless of the content of lead in paint.
- California Code of Regulations, Title 17, Division 1, Chapter 8, § 35001 - 36100 Accreditation, Certification, and Work Practices for Lead-Based Paint and Lead Hazards. Title 17 requires that work on any structure built before January 1, 1978 must use lead-safe work practices including containment and clean the work area after the project is completed. The revised state law went into effect on April 30, 2008 and applies to everyone including contractors, painters, homeowners, renters, and maintenance staff. The regulations also cover accreditation of training providers and certification of individuals to perform lead abatement and sets work practice standards for lead hazard evaluations and the abatement of lead hazards.
- Contractors who perform renovation, repairs, and painting jobs in pre-1978 housing and child-occupied facilities must, before beginning work, provide owners, tenants, and child-care facilities with a copy of EPA's lead hazard information pamphlet Renovate Right: Important Lead Hazard Information for Families, Child Care Providers, and Schools
- Federal law requires that individuals receive certain information before renovating more than six square feet of painted surfaces in a room for interior projects or more than twenty square feet of painted surfaces for exterior projects or window replacement or demolition in housing, child care facilities and schools built before 1978.
- If you plan to do any work designed to reduce or eliminate lead-based paint, lead-contaminated dust, or lead-contaminated soil in or on residential or public buildings in California, State law requires you to be a CDPH LRC certified Lead Supervisor or Worker (Title 17, CCR, Section 36100(a)(1)). Certification is not required for those conducting abatement activities, also known as "interim controls", which are designed to reduce or eliminate lead hazards from a building for less than 20 years. However, other requirements in Title 17 still apply.
- If you will be working in a residential or public building and the lead-related construction work you plan to do will expose you to airborne lead at or above the 8-hour permissible exposure limit (PEL) of 50 µg/m<sup>3</sup>, California OSHA's Title 8, California Code of Regulations Section 1532.1 requires you to be trained and CDPH LRC certified.
- In some cases, CDPH LRC certification is not required for those who design or work on projects intended to reduce lead-based paint, lead-contaminated dust, or lead-contaminated soil from a residential or public building if the results are designed to last for less than 20 years. Such work, involving methods often called interim controls, is designed to make buildings lead-safe by temporarily controlling, but not permanently removing, the lead-based paint or lead hazards.
- If you perform projects using interim controls to abate lead-based paint or lead hazards, you must follow the guidelines outlined in Chapter 11 of the U.S. Housing & Urban Development, Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing. You must also comply with California's work practice regulations for lead-related construction (Title 17, CCR, Sections 36000 and 36100) including notifying CDPH of abatement activities and using containment and work practices that prevent lead contaminated dust, soil or paint debris from spreading to non-work areas.
- BEM recommends compliance with all federal, state and local regulations concerning lead paint.

## LEAD WARRANTY

Site inspections and sample collection methodologies are performed to meet regulatory standards and industry protocols. BEM warrants that the findings contained herein have been promulgated in general accordance with accepted professional practices at the time of its preparation as applied by professionals in the community. There is a possibility that conditions may exist which could not be identified within the scope of the survey or were not apparent or accessible during the site visit.

## DISCLAIMER

If asbestos containing materials were impacted and/or damaged during a fire loss, then the soft and/or porous building materials and personal contents should be removed and disposed of as Asbestos Containing Building Materials (ACBM). The hard and/or nonporous building materials and personal contents can be cleaned and decontaminated on site. The locations surrounding the damaged areas should be considered contaminated with asbestos. BEM cannot assume these other areas were not impacted with asbestos. BEM recommends to either assume the building materials and/or personal contents within these surrounding locations are contaminated with asbestos; or micro-vac TEM samples can be collected within these surrounding locations to determine if the asbestos contamination migrated to these surrounding locations adjacent to the known contamination.

## CERTIFICATION

Inspection services relative to the Subject Site were provided by BEM's Mr. Brett L. Bovée & Anthony J. Miller, Certified Asbestos Consultants, No. 95-1643, expiration on 03/08/2024 & Number 19-6474, expiration on 04/17/2024. and California Department of Public Health Inspector/Assessor's/Project Monitor, ID# 1493/1494, expiration on 07/07/2024 & ID# 8476, expiration on 03/24/24.

BEM looks forward to assisting you in the near future. If you have any questions regarding this report or other BEM services, please do not hesitate to call us at (209) 847-3800 or (559) 264-3800.

Regards,

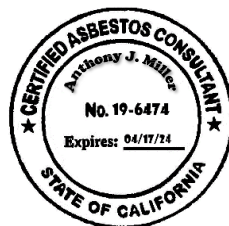
*Brett L. Bovée*

Brett L. Bovée, CAC, CMC, CDPH  
Certified Asbestos Consultant No. 95-1643  
CDPH Inspector/Assessor, ID# 1494  
CDPH Project Monitor, ID# 1493



*Anthony J. Miller*

Anthony J. Miller, CAC, CDPH  
Certified Asbestos Consultant No. 19-6474  
CDPH Inspector/Assessor, ID# 8476



# **ATTACHMENT A**

**BEM**

**SAMPLE FIELD SHEETS**





# CHAIN OF CUSTODY

1643 3<sup>RD</sup> STREET

ESCALON, CA 95320

833-643-3800 • BEM@BOVEEINC.COM

|               |          |                                                                         |
|---------------|----------|-------------------------------------------------------------------------|
| BEM PROJECT # | 23-60177 | TURN-AROUND TIME                                                        |
| SAMPLE DATE:  | 3-30-23  | <input type="radio"/> SAME DAY <input checked="" type="radio"/> 24HOURS |
| SURVEY TYPE:  | DemO     | <input type="radio"/>                                                   |

|                                                                                                                     |                                                                                 |                                      |         |                  |           |                                                                                                  |     |     |             |       |     |     |  |
|---------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|--------------------------------------|---------|------------------|-----------|--------------------------------------------------------------------------------------------------|-----|-----|-------------|-------|-----|-----|--|
| Project Name:                                                                                                       |                                                                                 | Airport Storage Building, Commercial |         |                  |           | Point Count Trace Results                                                                        |     |     |             |       |     |     |  |
| Address:                                                                                                            |                                                                                 | 26 Macready Dr, Merced, CA 95341     |         |                  |           | <input checked="" type="radio"/> YES-400 <input type="radio"/> YES-1000 <input type="radio"/> NO |     |     |             |       |     |     |  |
| Type of Loss:                                                                                                       |                                                                                 | ASB & Lead Demo                      |         |                  |           |                                                                                                  |     |     |             |       |     |     |  |
| Areas Inspected:                                                                                                    |                                                                                 | TIO int. & ext.                      |         |                  |           |                                                                                                  |     |     |             |       |     |     |  |
| Sample#                                                                                                             | Sample Description                                                              | Surface                              | T. Time | LPM              | Vol./Qua. | PLM                                                                                              | XRF | PCM | Mold Direct | E-COU | TEM | AAS |  |
| 60177-01                                                                                                            | Mat. Desc.: CORRUG<br>Mat. Loc.: TIO (foundation)                               | W C FL<br>○○○                        |         |                  |           | ●                                                                                                | ○   | ○   | ○           | ○     | ○   | ○   |  |
| -02                                                                                                                 | Mat. Desc.: Lino<br>Mat. Loc.: Bathrm 1 & 2                                     | W C FL<br>○○○                        |         |                  |           | ●                                                                                                | ○   | ○   | ○           | ○     | ○   | ○   |  |
| -03                                                                                                                 | Mat. Desc.: mastic<br>Mat. Loc.: "                                              | W C FL<br>○○○                        |         |                  |           | ●                                                                                                | ○   | ○   | ○           | ○     | ○   | ○   |  |
| -04                                                                                                                 | Mat. Desc.: Lino<br>Mat. Loc.: Rm 1                                             | W C FL<br>○○○                        |         |                  |           | ●                                                                                                | ○   | ○   | ○           | ○     | ○   | ○   |  |
| -05                                                                                                                 | Mat. Desc.: mastic<br>Mat. Loc.: "                                              | W C FL<br>○○○                        |         |                  |           | ●                                                                                                | ○   | ○   | ○           | ○     | ○   | ○   |  |
| -06                                                                                                                 | Mat. Desc.: C-mastic<br>Mat. Loc.: TIO                                          | W C FL<br>○○○                        |         |                  |           | ●                                                                                                | ○   | ○   | ○           | ○     | ○   | ○   |  |
| -07                                                                                                                 | Mat. Desc.: CBM<br>Mat. Loc.: Bathrm 1 & 2 (Baseboards)                         | W C FL<br>○○○                        |         |                  |           | ●                                                                                                | ○   | ○   | ○           | ○     | ○   | ○   |  |
| -08                                                                                                                 | Mat. Desc.: WDM<br>Mat. Loc.: Rm 2                                              | W C FL<br>○○○                        |         |                  |           | ●                                                                                                | ○   | ○   | ○           | ○     | ○   | ○   |  |
| -09                                                                                                                 | Mat. Desc.: SR<br>Mat. Loc.: Rm 2 (Beneath wood panels)                         | W C FL<br>○○○                        |         |                  |           | ●                                                                                                | ○   | ○   | ○           | ○     | ○   | ○   |  |
| -10                                                                                                                 | Mat. Desc.: ST<br>Mat. Loc.: Rm 1, 2 & 3, Hall                                  | W C FL<br>○○○                        |         |                  |           | ●                                                                                                | ○   | ○   | ○           | ○     | ○   | ○   |  |
| -11                                                                                                                 | Mat. Desc.: ST<br>Mat. Loc.: "                                                  | W C FL<br>○○○                        |         |                  |           | ●                                                                                                | ○   | ○   | ○           | ○     | ○   | ○   |  |
| -12                                                                                                                 | Mat. Desc.: SP-XC<br>Mat. Loc.: "                                               | W C FL<br>○○○                        |         |                  |           | ●                                                                                                | ○   | ○   | ○           | ○     | ○   | ○   |  |
| -13                                                                                                                 | Mat. Desc.: 1x1 CT<br>Mat. Loc.: Rm 2                                           | W C FL<br>○○○                        |         |                  |           | ●                                                                                                | ○   | ○   | ○           | ○     | ○   | ○   |  |
| -14                                                                                                                 | Mat. Desc.: mastic<br>Mat. Loc.: "                                              | W C FL<br>○○○                        |         |                  |           | ●                                                                                                | ○   | ○   | ○           | ○     | ○   | ○   |  |
| -15                                                                                                                 | Mat. Desc.: Fiberboard<br>Mat. Loc.: Rm 1                                       | W C FL<br>○○○                        |         |                  |           | ●                                                                                                | ○   | ○   | ○           | ○     | ○   | ○   |  |
| -16                                                                                                                 | Mat. Desc.: Plaster<br>Mat. Loc.: Bathrm 1 & 2                                  | W C FL<br>○○○                        |         |                  |           | ●                                                                                                | ○   | ○   | ○           | ○     | ○   | ○   |  |
| -17                                                                                                                 | Mat. Desc.: Cinderblock mortar<br>Mat. Loc.: TIO int. & ext. (Perimeter wall's) | W C FL<br>○○○                        |         |                  |           | ●                                                                                                | ○   | ○   | ○           | ○     | ○   | ○   |  |
| Relinquished by: Anthony Miller                                                                                     |                                                                                 | Received by: AF                      |         | Relinquished by: |           | Received by:                                                                                     |     |     |             |       |     |     |  |
| X [Signature]                                                                                                       |                                                                                 | X                                    |         | X                |           | X                                                                                                |     |     |             |       |     |     |  |
| Time/Date: 3-30-23                                                                                                  |                                                                                 | Time/Date: 3/31/23 8:00AM            |         | Time/Date:       |           | Time/Date:                                                                                       |     |     |             |       |     |     |  |
| BEM USE ONLY: Accept Samples <input checked="" type="checkbox"/> Yes In: AF date 3/31 Version: FCOC.03.15.22.1/1.QM |                                                                                 |                                      |         |                  |           |                                                                                                  |     |     |             |       |     |     |  |

P9 10F 2



# CHAIN OF CUSTODY

1643 3<sup>RD</sup> STREET

ESCALON, CA 95320

833-643-3800 • BEM@BOVEEINC.COM

|               |          |                                                                         |
|---------------|----------|-------------------------------------------------------------------------|
| BEM PROJECT # | 23-60177 | TURN-AROUND TIME                                                        |
| SAMPLE DATE:  | 3-30-23  | <input type="radio"/> SAME DAY <input checked="" type="radio"/> 24HOURS |
| SURVEY TYPE:  | DemO     | <input type="radio"/>                                                   |

|                                                                                                                     |                                                                    |                                      |         |                  |           |                                                                                                  |     |     |             |       |     |     |  |
|---------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------|---------|------------------|-----------|--------------------------------------------------------------------------------------------------|-----|-----|-------------|-------|-----|-----|--|
| Project Name:                                                                                                       |                                                                    | Airport Storage Building, Commercial |         |                  |           | Point Count Trace Results                                                                        |     |     |             |       |     |     |  |
| Address:                                                                                                            |                                                                    | 26 Macready Dr, Merced, CA 95341     |         |                  |           | <input checked="" type="radio"/> YES-400 <input type="radio"/> YES-1000 <input type="radio"/> NO |     |     |             |       |     |     |  |
| Type of Loss:                                                                                                       |                                                                    | ASB & Lead Demo                      |         |                  |           |                                                                                                  |     |     |             |       |     |     |  |
| Areas Inspected:                                                                                                    |                                                                    | T10 int. & ext.                      |         |                  |           |                                                                                                  |     |     |             |       |     |     |  |
| Sample#                                                                                                             | Sample Description                                                 | Surface                              | T. Time | LPM              | Vol./Qua. | PLM                                                                                              | XRF | PCM | Mold Direct | E-COU | TEM | AAS |  |
| 60177-18                                                                                                            | Mat. Desc.: paint<br>Mat. Loc.: Ext. Wood trim                     | W C FL<br>P O O                      |         |                  |           | P                                                                                                | O   | O   | O           | O     | O   | O   |  |
| -19                                                                                                                 | Mat. Desc.: Roof mat<br>Mat. Loc.: Roof (South Area)               | W C FL<br>O O O                      |         |                  |           | P                                                                                                | O   | O   | O           | O     | O   | O   |  |
| -20                                                                                                                 | Mat. Desc.: Roof mat<br>Mat. Loc.: Roof (North Area)               | W C FL<br>O O O                      |         |                  |           | P                                                                                                | O   | O   | O           | O     | O   | O   |  |
|                                                                                                                     | Mat. Desc.:<br>Mat. Loc.:                                          | W C FL<br>O O O                      |         |                  |           |                                                                                                  | O   | O   | O           | O     | O   | O   |  |
| 60177-61                                                                                                            | Mat. Desc.: paint (multi) wood trim<br>Mat. Loc.: T10              | W C FL<br>P O O                      |         |                  |           |                                                                                                  | O   | P   | O           | O     | O   | O   |  |
| -62                                                                                                                 | Mat. Desc.: paint (white) SR<br>Mat. Loc.: "                       | W C FL<br>P O O                      |         |                  |           |                                                                                                  | O   | P   | O           | O     | O   | O   |  |
| -63                                                                                                                 | Mat. Desc.: paint (off white) plaster<br>Mat. Loc.: Bathroom 1 & 2 | W C FL<br>P O O                      |         |                  |           |                                                                                                  | O   | P   | O           | O     | O   | O   |  |
| -64                                                                                                                 | Mat. Desc.: Paint (MU Hs) wood trim<br>Mat. Loc.: Ext.             | W C FL<br>P O O                      |         |                  |           |                                                                                                  | O   | P   | O           | O     | O   | O   |  |
| -65                                                                                                                 | Mat. Desc.: Paint (multi) cinder block<br>Mat. Loc.: "             | W C FL<br>P O O                      |         |                  |           |                                                                                                  | O   | P   | O           | O     | O   | O   |  |
|                                                                                                                     | Mat. Desc.:<br>Mat. Loc.:                                          | W C FL<br>O O O                      |         |                  |           |                                                                                                  | O   | O   | O           | O     | O   | O   |  |
|                                                                                                                     | Mat. Desc.:<br>Mat. Loc.:                                          | W C FL<br>O O O                      |         |                  |           |                                                                                                  | O   | O   | O           | O     | O   | O   |  |
|                                                                                                                     | Mat. Desc.:<br>Mat. Loc.:                                          | W C FL<br>O O O                      |         |                  |           |                                                                                                  | O   | O   | O           | O     | O   | O   |  |
|                                                                                                                     | Mat. Desc.:<br>Mat. Loc.:                                          | W C FL<br>O O O                      |         |                  |           |                                                                                                  | O   | O   | O           | O     | O   | O   |  |
|                                                                                                                     | Mat. Desc.:<br>Mat. Loc.:                                          | W C FL<br>O O O                      |         |                  |           |                                                                                                  | O   | O   | O           | O     | O   | O   |  |
|                                                                                                                     | Mat. Desc.:<br>Mat. Loc.:                                          | W C FL<br>O O O                      |         |                  |           |                                                                                                  | O   | O   | O           | O     | O   | O   |  |
|                                                                                                                     | Mat. Desc.:<br>Mat. Loc.:                                          | W C FL<br>O O O                      |         |                  |           |                                                                                                  | O   | O   | O           | O     | O   | O   |  |
|                                                                                                                     | Mat. Desc.:<br>Mat. Loc.:                                          | W C FL<br>O O O                      |         |                  |           |                                                                                                  | O   | O   | O           | O     | O   | O   |  |
|                                                                                                                     | Mat. Desc.:<br>Mat. Loc.:                                          | W C FL<br>O O O                      |         |                  |           |                                                                                                  | O   | O   | O           | O     | O   | O   |  |
|                                                                                                                     | Mat. Desc.:<br>Mat. Loc.:                                          | W C FL<br>O O O                      |         |                  |           |                                                                                                  | O   | O   | O           | O     | O   | O   |  |
| Relinquished by: Anthony Miller                                                                                     |                                                                    | Received by: AF                      |         | Relinquished by: |           | Received by:                                                                                     |     |     |             |       |     |     |  |
| X [Signature]                                                                                                       |                                                                    | X                                    |         | X                |           | X                                                                                                |     |     |             |       |     |     |  |
| Time/Date: 3-30-23                                                                                                  |                                                                    | Time/Date: 3/31/23 8:00AM            |         | Time/Date:       |           | Time/Date:                                                                                       |     |     |             |       |     |     |  |
| BEM USE ONLY: Accept Samples <input checked="" type="checkbox"/> Yes In. AF date 3/31 Version: FCOC.03.15.22.1/1.QM |                                                                    |                                      |         |                  |           |                                                                                                  |     |     |             |       |     |     |  |

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# **ATTACHMENT B**

## **LABORATORY ANALYTICAL REPORTS**



**Report Prepared For:**

Bovee Environmental Management  
1643 3rd Street  
Escalon CA 95320

**Client Project:** 23-60177

**Report ID:** AE230952

Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on **March 31, 2023**. The samples were analyzed for asbestos using polarizing light microscopy (PLM) under EPA 600/R-93/116 and EPA – Appendix E to Subpart E of 40 CFR Part 763 Methods.

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

**TOTAL SAMPLES ANALYZED:** 20

**TOTAL LAYERS ANALYZED:** 27

**# LAYERS >1% ASBESTOS:** 2

Kind Regards,



A handwritten signature in black ink, reading "Danielle Carrier", is written over a horizontal line.

Danielle Carrier

Laboratory Director



## ASBESTOS REPORT SUMMARY

By: POLARIZED LIGHT MICROSCOPY

Client Project: 23-60177      Report ID: AE230952

**Client:** Bovee Environmental Management  
1643 3rd Street  
Escalon CA 95320

**Methodology:** EPA 600/R-93/116 and EPA – Appendix E to Subpart E of 40 CFR Part 763

| Client ID | Layer | Lab ID    | Color       | Sample Description         | % Asbestos    |
|-----------|-------|-----------|-------------|----------------------------|---------------|
| 60177-01  | 1     | AE2306368 | Gray        | Concrete                   | None Detected |
| 60177-02  | 1     | AE2306369 | Gray        | Linoleum                   | None Detected |
| 60177-03  | 1     | AE2306370 | Yellow      | Mastic                     | None Detected |
| 60177-04  | 1     | AE2306371 | White       | Linoleum                   | None Detected |
| 60177-05  | 1     | AE2306372 | Black       | Mastic                     | Chrysotile 5% |
| 60177-06  | 1     | AE2306373 | Yellow      | Carpet Mastic              | None Detected |
|           | 2     |           | Black       | Carpet Mastic              | Chrysotile 3% |
| 60177-07  | 1     | AE2306374 | Off White   | Covebase Mastic            | None Detected |
| 60177-08  | 1     | AE2306375 | Off White   | Wall Panel Mastic          | None Detected |
| 60177-09  | 1     | AE2306376 | Brown/White | Sheetrock                  | None Detected |
| 60177-10  | 1     | AE2306377 | White       | Surface Texture            | None Detected |
| 60177-11  | 1     | AE2306378 | White       | Surface Texture            | None Detected |
| 60177-12  | 1     | AE2306379 | White       | Surface Texture            | None Detected |
|           | 2     |           | Brown/White | Sheetrock / Joint Compound | None Detected |
| 60177-13  | 1     | AE2306380 | Brown/White | Ceiling Tile               | None Detected |



## **ASBESTOS REPORT SUMMARY**

By: POLARIZED LIGHT MICROSCOPY

**Client Project:** 23-60177

**Report ID:** AE230952

**Client:** Bovee Environmental Management  
1643 3rd Street  
Escalon CA 95320

**Methodology:** EPA 600/R-93/116 and EPA – Appendix E to Subpart E of 40 CFR Part 763

| <b>Client ID</b> | <b>Layer</b> | <b>Lab ID</b> | <b>Color</b> | <b>Sample Description</b>      | <b>% Asbestos</b> |
|------------------|--------------|---------------|--------------|--------------------------------|-------------------|
| 60177-14         | 1            | AE2306381     | Tan          | Mastic                         | None Detected     |
| 60177-15         | 1            | AE2306382     | Brown/White  | Fiber Board                    | None Detected     |
| 60177-16         | 1            | AE2306383     | Gray         | Plaster                        | None Detected     |
| 60177-17         | 1            | AE2306384     | Gray         | Cinder Block Mortar            | None Detected     |
| 60177-18         | 1            | AE2306385     | Gray         | Paint                          | None Detected     |
| 60177-19         | 1            | AE2306386     | Gray         | Roofing Material (Surface)     | None Detected     |
|                  | 2            |               | Yellow       | Roofing Material (Insulation)  | None Detected     |
|                  | 3            |               | Black        | Roofing Material (Tar & Felts) | None Detected     |
|                  | 4            |               | Brown        | Roofing Material (Insulation)  | None Detected     |
| 60177-20         | 1            | AE2306387     | Gray         | Roofing Material (Surface)     | None Detected     |
|                  | 2            |               | Yellow       | Roofing Material (Insulation)  | None Detected     |
|                  | 3            |               | Black        | Roofing Material (Tar & Felts) | None Detected     |



# ASBESTOS BULK ANALYSIS

By: POLARIZED LIGHT MICROSCOPY

**Client:** Bovee Environmental Management  
1643 3rd Street  
Escalon CA 95320

**Report ID:** AE230952  
**Received:** 03/31/2023  
**Analyzed:** 03/31/2023  
**Reported:** 03/31/2023

**Client Project:** 23-60177

**Methodology:** EPA 600/R-93/116 and EPA – Appendix E to Subpart E of 40 CFR Part 763

| Client ID<br>Sample ID | Lab<br>Description       | Lab<br>Attributes                                | NON-ASBESTOS COMPONENTS            |           |                                     |                  | ASBESTOS      |    |
|------------------------|--------------------------|--------------------------------------------------|------------------------------------|-----------|-------------------------------------|------------------|---------------|----|
|                        |                          |                                                  | Fibrous                            |           | Non-Fibrous                         |                  | %             |    |
| 60177-01<br>AE2306368  | Concrete                 | Gray<br>Heterogeneous<br>Fibrous<br>Bound        |                                    |           | Paint<br>Silicates<br>Binder/Filler | 3%<br>75%<br>22% | None Detected |    |
| 60177-02<br>AE2306369  | Linoleum                 | Gray<br>Homogeneous<br>Fibrous<br>Bound          | Cellulose Fiber<br>Fiberglass      | 25%<br>3% | Vinyl<br>Binder/Filler              | 60%<br>12%       | None Detected |    |
| 60177-03<br>AE2306370  | Mastic                   | Yellow<br>Heterogeneous<br>Fibrous<br>Bound      | Cellulose Fiber                    | 3%        | Mastic                              | 97%              | None Detected |    |
| 60177-04<br>AE2306371  | Linoleum                 | White<br>Homogeneous<br>Fibrous<br>Bound         | Cellulose Fiber<br>Fiberglass      | 25%<br>3% | Vinyl<br>Binder/Filler              | 60%<br>12%       | None Detected |    |
| 60177-05<br>AE2306372  | Mastic                   | Black<br>Homogeneous<br>Fibrous<br>Bound         |                                    |           | Mastic                              | 95%              | Chrysotile    | 5% |
| 60177-06<br>AE2306373  | LAYER 1<br>Carpet Mastic | Yellow<br>Homogeneous<br>Fibrous<br>Bound        | Cellulose Fiber<br>Synthetic Fiber | 3%<br>2%  | Mastic                              | 95%              | None Detected |    |
|                        | LAYER 2<br>Carpet Mastic | Black<br>Homogeneous<br>Fibrous<br>Bound         |                                    |           | Mastic                              | 97%              | Chrysotile    | 3% |
| 60177-07<br>AE2306374  | Covebase Mastic          | Off White<br>Homogeneous<br>Non-Fibrous<br>Bound |                                    |           | Calcium Carbonate<br>Mastic         | 20%<br>80%       | None Detected |    |
| 60177-08<br>AE2306375  | Wall Panel Mastic        | Off White<br>Homogeneous<br>Non-Fibrous<br>Bound |                                    |           | Calcium Carbonate<br>Mastic         | 20%<br>80%       | None Detected |    |



# ASBESTOS BULK ANALYSIS

By: POLARIZED LIGHT MICROSCOPY

**Client:** Bovee Environmental Management  
1643 3rd Street  
Escalon CA 95320

**Report ID:** AE230952  
**Received:** 03/31/2023  
**Analyzed:** 03/31/2023  
**Reported:** 03/31/2023

**Client Project:** 23-60177

**Methodology:** EPA 600/R-93/116 and EPA – Appendix E to Subpart E of 40 CFR Part 763

| Client ID<br>Sample ID | Lab<br>Description                       | Lab<br>Attributes                                        | NON-ASBESTOS COMPONENTS |     |                                         |                   | ASBESTOS<br>% |
|------------------------|------------------------------------------|----------------------------------------------------------|-------------------------|-----|-----------------------------------------|-------------------|---------------|
|                        |                                          |                                                          | Fibrous                 |     | Non-Fibrous                             |                   |               |
| 60177-09<br>AE2306376  | Sheetrock                                | Brown/White<br>Heterogeneous<br>Fibrous<br>Bound         | Cellulose Fiber         | 20% | Silicates<br>Gypsum                     | 10%<br>70%        | None Detected |
| 60177-10<br>AE2306377  | Surface Texture                          | White<br>Heterogeneous<br>Non-Fibrous<br>Bound           |                         |     | Paint<br>Silicates<br>Calcium Carbonate | 10%<br>15%<br>75% | None Detected |
| 60177-11<br>AE2306378  | Surface Texture                          | White<br>Heterogeneous<br>Non-Fibrous<br>Bound           |                         |     | Paint<br>Silicates<br>Calcium Carbonate | 10%<br>15%<br>75% | None Detected |
| 60177-12<br>AE2306379  | LAYER 1<br>Surface Texture               | White<br>Heterogeneous<br>Non-Fibrous<br>Bound           |                         |     | Paint<br>Silicates<br>Calcium Carbonate | 10%<br>15%<br>75% | None Detected |
|                        | LAYER 2<br>Sheetrock / Joint<br>Compound | Brown/White<br>Heterogeneous<br>Fibrous<br>Bound         | Cellulose Fiber         | 20% | Paint<br>Silicates<br>Gypsum            | 3%<br>10%<br>67%  | None Detected |
| 60177-13<br>AE2306380  | Ceiling Tile                             | Brown/White<br>Heterogeneous<br>Fibrous<br>Loosely Bound | Cellulose Fiber         | 80% | Perlite<br>Paint                        | 15%<br>5%         | None Detected |
| 60177-14<br>AE2306381  | Mastic                                   | Tan<br>Homogeneous<br>Non-Fibrous<br>Bound               |                         |     | Silicates<br>Mastic                     | 15%<br>85%        | None Detected |
| 60177-15<br>AE2306382  | Fiber Board                              | Brown/White<br>Heterogeneous<br>Fibrous<br>Loosely Bound | Cellulose Fiber         | 95% | Paint                                   | 5%                | None Detected |
| 60177-16<br>AE2306383  | Plaster                                  | Gray<br>Heterogeneous<br>Non-Fibrous<br>Bound            |                         |     | Paint<br>Silicates<br>Binder/Filler     | 3%<br>65%<br>32%  | None Detected |





# ASBESTOS BULK ANALYSIS

By: POLARIZED LIGHT MICROSCOPY

**Client:** Bovee Environmental Management  
1643 3rd Street  
Escalon CA 95320

**Report ID:** AE230952  
**Received:** 03/31/2023  
**Analyzed:** 03/31/2023  
**Reported:** 03/31/2023

**Client Project:** 23-60177

**Methodology:** EPA 600/R-93/116 and EPA – Appendix E to Subpart E of 40 CFR Part 763

| Client ID | Lab                            | Lab           | NON-ASBESTOS COMPONENTS |      |                   |      | ASBESTOS      |
|-----------|--------------------------------|---------------|-------------------------|------|-------------------|------|---------------|
| Sample ID | Description                    | Attributes    | Fibrous                 |      | Non-Fibrous       |      | %             |
| 60177-17  | Cinder Block Mortar            | Gray          |                         |      | Paint             | 3%   | None Detected |
| AE2306384 |                                | Heterogeneous |                         |      | Silicates         | 75%  |               |
|           |                                | Non-Fibrous   |                         |      | Binder/Filler     | 22%  |               |
|           |                                | Bound         |                         |      |                   |      |               |
| 60177-18  | Paint                          | Gray          |                         |      | Paint             | 100% | None Detected |
| AE2306385 |                                | Homogeneous   |                         |      |                   |      |               |
|           |                                | Non-Fibrous   |                         |      |                   |      |               |
|           |                                | Bound         |                         |      |                   |      |               |
| 60177-19  | LAYER 1                        | Gray          |                         |      | Calcium Carbonate | 25%  | None Detected |
| AE2306386 | Roofing Material (Surface)     | Homogeneous   |                         |      | Vinyl             | 75%  |               |
|           |                                | Non-Fibrous   |                         |      |                   |      |               |
|           |                                | Bound         |                         |      |                   |      |               |
|           | LAYER 2                        | Yellow        |                         |      | Foam              | 100% | None Detected |
|           | Roofing Material (Insulation)  | Homogeneous   |                         |      |                   |      |               |
|           |                                | Non-Fibrous   |                         |      |                   |      |               |
|           |                                | Bound         |                         |      |                   |      |               |
|           | LAYER 3                        | Black         | Fiberglass              | 30%  | Silicates         | 10%  | None Detected |
|           | Roofing Material (Tar & Felts) | Heterogeneous |                         |      | Tar               | 60%  |               |
|           |                                | Fibrous       |                         |      |                   |      |               |
|           |                                | Bound         |                         |      |                   |      |               |
|           | LAYER 4                        | Brown         | Cellulose Fiber         | 100% |                   |      | None Detected |
|           | Roofing Material (Insulation)  | Homogeneous   |                         |      |                   |      |               |
|           |                                | Fibrous       |                         |      |                   |      |               |
|           |                                | Loose         |                         |      |                   |      |               |
| 60177-20  | LAYER 1                        | Gray          |                         |      | Calcium Carbonate | 25%  | None Detected |
| AE2306387 | Roofing Material (Surface)     | Homogeneous   |                         |      | Vinyl             | 75%  |               |
|           |                                | Non-Fibrous   |                         |      |                   |      |               |
|           |                                | Bound         |                         |      |                   |      |               |
|           | LAYER 2                        | Yellow        |                         |      | Foam              | 100% | None Detected |
|           | Roofing Material (Insulation)  | Homogeneous   |                         |      |                   |      |               |
|           |                                | Non-Fibrous   |                         |      |                   |      |               |
|           |                                | Bound         |                         |      |                   |      |               |
|           | LAYER 3                        | Black         | Fiberglass              | 30%  | Silicates         | 10%  | None Detected |
|           | Roofing Material (Tar & Felts) | Heterogeneous |                         |      | Tar               | 60%  |               |
|           |                                | Fibrous       |                         |      |                   |      |               |
|           |                                | Bound         |                         |      |                   |      |               |



## ASBESTOS BULK ANALYSIS

By: POLARIZED LIGHT MICROSCOPY

**Client:** Bovee Environmental Management  
1643 3rd Street  
Escalon CA 95320

**Report ID:** AE230952  
**Received:** 03/31/2023  
**Analyzed:** 03/31/2023  
**Reported:** 03/31/2023

**Client Project:** 23-60177

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**LEGEND:** Non-Anth = Non-Asbestiform Anthophyllite      Non-Trem = Non-Asbestiform Tremolite

---

**METHOD:** EPA 600/R-93/116 and EPA – Appendix E to Subpart E of 40 CFR Part 763

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**REPORTING LIMIT:** <1% by Visual Estimation

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

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**REGULATORY LIMIT:** >1% by Weight


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

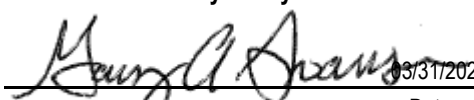
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**Report Authorized By**

  
Danielle Carrier, Laboratory Director      03/31/2023  
Date

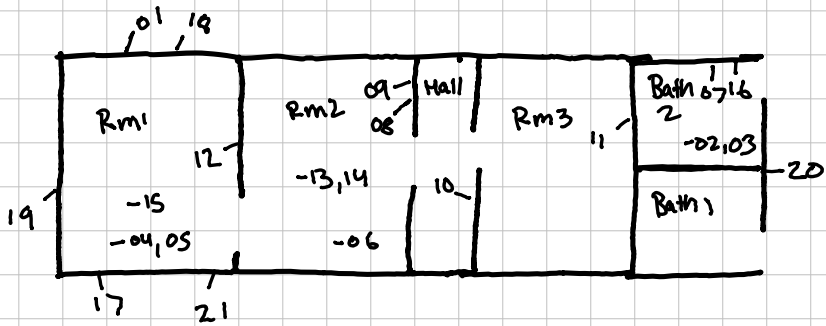
**Analyzed By**

  
Gary Swanson      03/31/2023  
Date



# **ATTACHMENT C**

## **SITE DRAWING**



23-60177  
Site Diagram