



ASBESTOS FLOORING ABATEMENT SCOPE OF WORK

Site Information:

McKinley ES – Rooms 14-18 & 24-28
601 4th Street, Bakersfield, CA 93304



Prepared for:

Mr. Victor Valdez, Supervisor
Bakersfield City School District
1300 Baker Street, Bakersfield, CA 93305
(661) 631-5883

Prepared by:

Kristy Yowell, CAC 09-4500 / CDPH LRC-4640
YES Environmental, Inc. (YES, Inc.)
YES, Inc. Project Number 24YES-16
March 14, 2024



1201 24th Street, Suite B110-377, Bakersfield, CA 93301 / (661) 527-0820

ASBESTOS FLOORING ABATEMENT SCOPE OF WORK

McKinley ES – Flooring Abatement Project in Rooms 14-18 & 24-28

PURPOSE OF PROJECT

In order for Bakersfield City School District to replace the flooring in Classrooms 14-18 and 24-28, asbestos-containing flooring materials, must be abated. In some rooms, the asbestos-containing flooring materials are concealed beneath non-asbestos carpets, 12" floor tile, etc. In addition, the contractor shall remove the non-asbestos containing baseboard. The associated baseboard glue is not to be removed.

The contractor is responsible for field verifying their own measurements for bidding, notification, waste characterization, or any other purpose. This Scope of Work should be used in conjunction with all Federal, State and local codes.

IMPORTANT DATES

Project Start Date – Monday, June 3, 2024

Abatement Completion Date – Friday, June 21, 2024

Clearance Air Sample Collection Date – Monday, June 24, 2024

Clearance Air Sample Results Expected to be Received Date – Wednesday, June 26, 2024

Containment Removal Date – Thursday, June 27, 2024

WORK PERIOD

The remediation contractor shall have fifteen (15) business days to complete the abatement portion of this project. Clearance air samples will be collected the business day following completion of abatement. Removal of containment shall occur the next business day immediately following the receipt of passing clearance air samples.

DEFINITIONS

Asbestos-Containing: material containing any detectable amount of asbestos. Acronym ACM.

Abatement Activities: precleaning of jobsite, setup of containment/regulated area, removal or disturbance of asbestos-containing materials and final cleaning inside containment/regulated area in preparation for post abatement clearance air sampling or completion of work visual.

Contractor: Remediation contractor, abatement contractor or any trade qualified to conduct the work described in this Scope of Work.

Consultant: YES Environmental, Inc. representative.



ASBESTOS MATERIALS			
Material Description	Locations	% Asbestos	NESHAP Category
Red/grey multi carpet & glue and/or 12" Cream oatmeal floor tile & black mastic over ACM	Surface layer flooring throughout classrooms 14-18 and 24-28	No asbestos detected	Category I Non-friable if cannot be separated from ACM
Concealed floor tile & black mastic	Throughout 14-18 and 24-28	Floor tile=3%CH Mastic=1-3%CH	Category I Non-friable or RACM depending on removal method
4" Cream baseboard & white glue	Baseboards throughout rooms 14-18 and 24-28	N/A	N/A

NOTIFICATIONS

The contractor shall be responsible for the submission of an asbestos notification and renovation permit form to San Joaquin Valley Air Pollution Control District, Cal/OSHA and all other notifications triggered by asbestos removal. Contractor shall pay any associated fee based on measurements and material quantification as determined by the contractor.

SUPERVISOR & WORKER TRAINING REQUIRED

Workers and supervisors disturbing asbestos shall have AHERA accredited training as asbestos workers or contractor supervisors.

PRE-JOB SUBMITTAL REQUIREMENTS

A hard copy of the contractor's pre-job submittal packet shall be submitted to YES, Inc. and:

1. Include all of the items listed in the attached Submittal Requirements;
2. Be provided to and approved by YES, Inc. prior to the start of work by the contractor.
3. Manifests shall be submitted to the project manager on the first day of the project for review, and also for final approval prior to waste removal from the job site.
4. Double sided copies are not acceptable.
5. Delays in providing the required submittals may affect the start of the project.
6. Electronic submittals will not be accepted.

OTHER CONSIDERATIONS

Item	District Provided	Contractor Must Provide	Not Applicable / Required
Water	X		
Power	X		
Removal of Items to be saved	X		
Removal & Disposal of Items Remaining in Work Area		X	
Safety & Security of Equipment		X	
Challenge testing of HEPA filtered equipment to have been performed within 5 calendar days of the start of the project		X	



ALLOWABLE FORMS OF COMMUNICATION

The contractor shall establish a means of communication between the supervisor and workers inside the containment/regulated area which includes two-way radios or equivalent. At no time will yelling, whistling or banging on containment, walls or on the decontamination chambers be allowed as a form of communication.

OCCUPANCY

These buildings will be unoccupied in the areas where abatement is occurring. Other areas on campus, but outside of the abatement containment, may be occupied by staff, students, and other trades conducting work at this site.

WASTE BIN/CONTAINERS

All bins/containers brought on-site to deposit waste into must be lockable or securable. Bins shall be secured at the end of every shift. Plywood shall be placed under the wheels of each bin to protect the existing surface. Bins must be double lined with 6-mil poly prior to waste being deposited. Containers must have the appropriate labels affixed on them as soon as any asbestos-contaminated debris is deposited.

CONTAINMENT/REGULATED AREA SETUP REQUIREMENTS

Containment setup requirements for all containments/regulated areas:

1. Classrooms 14-18 shall be set up as a single containment, using an exterior poly tunnel to connect classrooms or using wire reinforced wire exhaust flex tubing between rooms to create shared air space.
2. Classrooms 24-28 shall be set up as a single containment, using an exterior poly tunnel to connect classrooms or using wire reinforced wire exhaust flex tubing between rooms to create shared air space.
3. Thresholds shall be removed carefully without being damaged and saved for the District to reuse.
4. All poly used on this project shall be a minimum of 6-mil thickness and flame retardant (FR). All critical barriers shall be sealed prior to any installation of poly on the walls or false ceiling with at least one layer of 6-mil FR poly.
5. Contractor shall attach poly walls and ceiling to the upper window sills of the classrooms.
6. Contractor shall exhaust the negative air unit exhaust hoses through the uppermost windows of the classrooms. Contractor SHALL NOT exhaust through lower windows.
7. The walls shall be covered with at least a single-layer of 6-mil FR poly. In addition, a four-foot poly splash guard shall be installed.
8. The false poly ceiling shall be installed using at least a single-layer of 6-mil FR poly.
9. All containments shall be built to accommodate the proper opening/closing function of the doors leading to each classroom. This includes ensuring the poly is installed in such a fashion it is not torn during the operation of the doors at the beginning and end of shifts.
10. The containment shall have, at a minimum, a two-stage decontamination chamber setup which meets the following conditions:
 - Must be adjacent to the regulated area/containment for the decontamination of employees and their equipment used inside the regulated area/containment;
 - The chamber farthest away from the regulated area/containment shall be designed for employees to don PPE before entering the regulated area/containment; to don street clothes upon exiting the regulation area/containment; and storage of other necessary items of the employees which cannot enter the regulated area/containment. This chamber shall be built large enough to accommodate all workers donning PPE without being able to be seen by staff, students, or anyone else walking by.
 - The chamber most adjacent to the regulated area/containment shall be designed for the person exiting the regulated area/containment to use water, soap, and towels to decontaminate any part of their bodies and PPE such as their respirator.



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- Both chambers shall be of sufficient size to accommodate cleaning of equipment and removing personal protective equipment without the spreading of contamination beyond the area (as determined by visual accumulations).
- 11. All those entering the containments must sign in on an entry/exit log that documents their entrance and exit times. This record is to also include lunch times and other breaks.
- 12. The consultant must give final approval for containment setups before abatement commences.
- 13. As work continues, the contractor shall assure that any additional critical barriers discovered are sealed immediately.
- 14. The contractor shall continually inspect the containments for deficiencies or breaches. If any are discovered, all abatement activities shall halt immediately until the deficiencies are fixed or repaired satisfactorily. These incidents shall be reported to the on-site consultant immediately.
- 15. The contractor shall exercise caution to ensure setup of containment does not damage in any way data cabling, electrical conduits, tackboards, smart-boards, etc.
- 16. If the setup of the containments requires questionable installation, the District and Consultant shall be asked in writing and approval must be given in writing prior to work being performed.
- 17. The District does not intend to repaint the exteriors of these rooms. Therefore, the contractor shall exercise care during the construction and deconstruction of the containment and decontamination chambers. If products used to set up the containments leave a residue, the contractor shall be responsible for the removal of the residue immediately following receipt of the passing clearance air sampling results.

NEGATIVE PRESSURE & HEPA FILTERED EQUIPMENT REQUIREMENTS

1. Challenge testing is required on equipment using HEPA filters (see Other Considerations above). Units arriving dirty or appearing to be contaminated shall be removed from the project site. Units must be positioned in the standard upright manner in which the manufacturer designed the equipment to operate.
2. The contractor shall ensure that sufficient negative air units are used to create a minimum air pressure differential of -0.030" and recorded on a manometer. Negative air units shall run continuously until clearance has been achieved. All air filtration devices shall remain sealed when not functioning. All units shall discharge to the exterior of the building during abatement activities.
3. At the end of each shift, if containment cannot be secured while exhausting to the exterior of the building, the contractor shall put the negative air units in scrub mode overnight. At the beginning of each shift, the contractor shall re-establish negative pressure in each containment.

WORKER PROTECTION

The contractor shall provide respiratory protection as outlined in current Cal/OSHA regulations. However, at a minimum:

1. During the removal and detail cleaning, workers shall wear a half-face negative-pressure respirator with P-100 (HEPA) cartridges, and dual charcoal/HEPA cartridges shall be utilized during mastic removal.
2. Disposable coveralls and eye protection shall be worn by all workers during all abatement activities, and detail cleaning phases of this project.
3. Should personal air monitoring results not be received the Monday immediately following week after being collected, the asbestos consultant reserves the right to require the workers to don PAPRs until personal air monitoring results are received.



ASBESTOS ABATEMENT PROCEDURES

Abatement procedures for all ACM on this project:

1. The carpet and 12" floor tile may only be removed after containment is completed, negative pressure is established and the onsite consultant has given verbal approval for removal to commence.
2. Wet all ACM with an amended water solution using equipment capable of providing a fine spray mist, in order to reduce airborne-fiber concentrations when the material is disturbed.
3. The contractor shall use the following product to remove the asbestos-containing black mastic: CHEMSAFE CLEAR. See attached Safety Data Sheet for product.
4. The ACM must be double bagged in poly bags. An acceptable alternative is disposal of ACM into a single poly bag which is placed into a leak-tight drum for disposal.
5. Bags should be securely sealed to prevent accidental opening and leakage by tying tops of bags in an overhand knot or by taping in gooseneck fashion.
6. Contractor shall generate only as much debris as they can bag and deposit into a waste bin at the end of an 8-hour shift.
7. After completion of all stripping work, surfaces from which asbestos-containing materials have been removed shall be wet-wiped or cleaned by some equivalent method to remove all visible residue. If it is quicker and more cost effective to discard the entire component as ACM, contractor must submit for approval prior to the job commencing to the consultant and building owner.
8. Asbestos-contaminated waste that has been containerized shall be transported out of the work area through the worker decontamination enclosure or through an approved pass-out arrangement.

PROHIBITED WORK PRACTICES

1. Uncontrolled releases. This is cause for stopping the project until modified work practices and containment that prevent these releases from occurring are designed and implemented.
2. Dry removal or dry disturbance of any kind.
3. Mechanical tools without HEPA vacuum attachment and HEPA vacuum properly attached according to manufacturer recommendation.
4. No brooms are allowed inside containment.
5. Bead blasting.
6. No bulk loading.

COMPLETION OF ABATEMENT & CLEARANCE AIR SAMPLES

After final cleaning in the containment(s) has been completed, a visual clearance inspection shall be performed by the on-site consultant. Contractor personnel shall be present and available to address any deficiencies in cleaning. On the day following visual clearance of a containment, a set of five clearance air samples shall be collected, in the containment, to be analyzed by Transmission Electron Microscopy. Final clearance for re-occupancy shall be contingent upon meeting AHERA criteria for response action completion of an average of 70 structures per square millimeter (70 s/mm²) or less for the five samples collected inside the containment (40 CFR 763, Appendix A).

In the event clearance air samples do not meet this re-occupancy criteria, the contractor shall be responsible for re-cleaning failed areas, and for costs associated with collection and rush analysis of additional clearance air samples (\$1,800/per set of clearances) in accordance with the sampling protocol described above.

PERSONAL AIR MONITORING RESULTS FOR WORKERS

The contractor shall promptly post and provide a copy of worker personal air monitoring results in within 5 calendar days of the them being collected on the worker. No more than two working days shall pass between results being received and posted on-site or provided to YES, Inc. as part of the close-out documentation for this project.



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ASBESTOS DISPOSAL

The rubber/vinyl baseboards and associated non-asbestos containing glue can be discarded as either construction debris or non-friable, non-hazardous, asbestos-containing waste, manifested and disposed of accordingly.

Any carpet or 12" floor tile which is able to be removed from containment before any asbestos-containing materials are disturbed can be discarded as construction debris.

Any asbestos-containing materials removed by manual methods shall be considered non-friable, non-hazardous, asbestos-containing waste, manifested and disposed of accordingly.

Asbestos-containing materials removed by mechanical means shall be considered hazardous, asbestos-containing waste, manifested and disposed of accordingly.

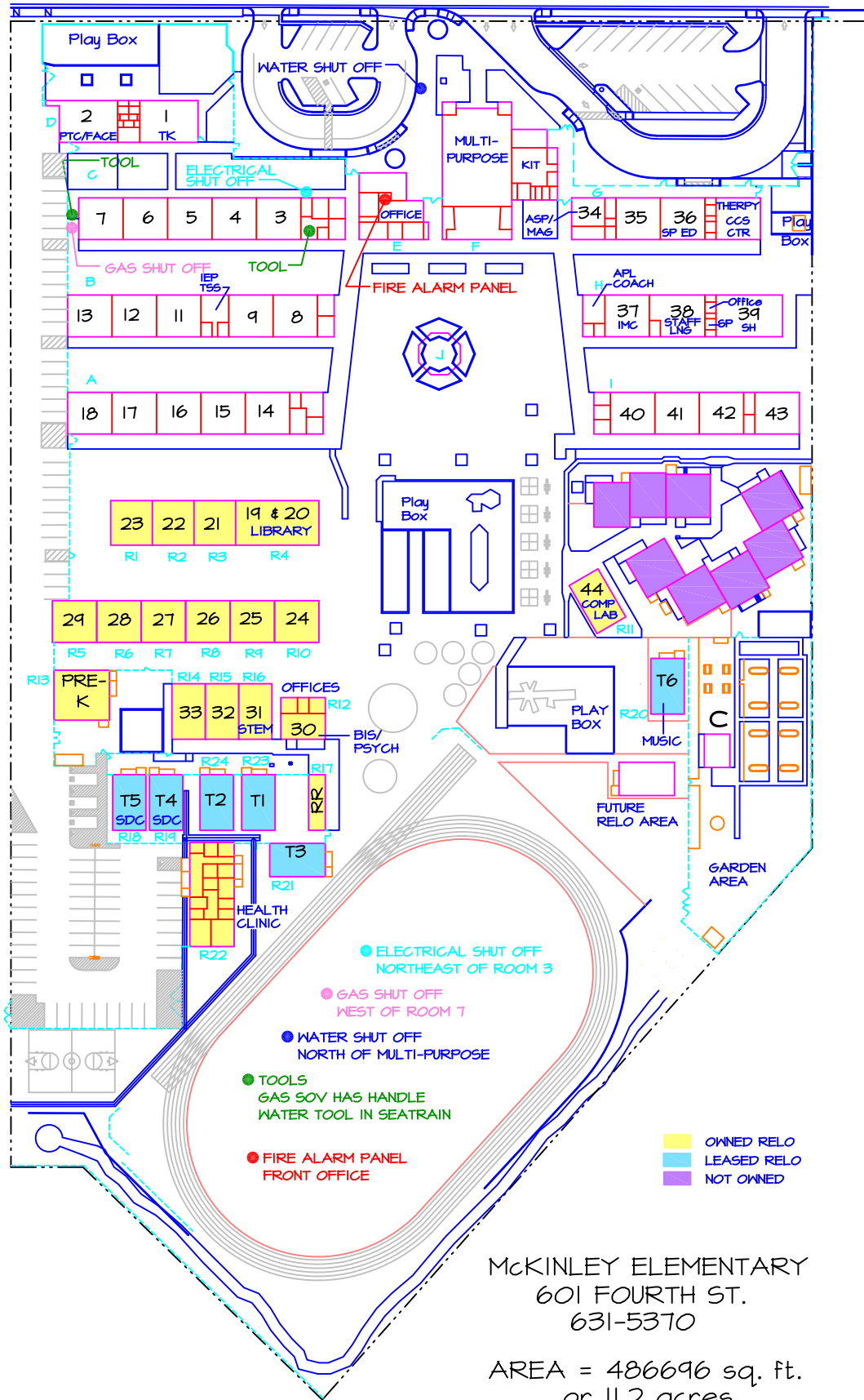
Attachments:

- A. Campus Map
- B. Submittal Requirements
- C. SDS for Chemsafe Clear Mastic Solvent
- D. Initial Inspection Report



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Attachment A - Campus Map



McKINLEY ELEMENTARY
 601 FOURTH ST.
 631-5370

AREA = 486696 sq. ft.
 or 11.2 acres



Attachment B – Submittal Requirements



Asbestos Submittal Requirements

Note: not all of the items listed below are applicable for every project. Only the items applicable are required to be included in the submittal packet.

Prestart Submittals

1. Contractor's license(s)
 - a. CSLB license with asbestos certification
2. DOSH registration
3. Notifications
 - a. Appropriate local EPA enforcement agency for the job site location.
 - b. Cal/OSHA asbestos notification
 - c. Equipment rented
 - i. Proof the rental company has been made aware the rented equipment will be used for asbestos and/or lead related work.
4. Site specific safety/emergency plan
 - a. This must include, but is not limited to, the nearest hospital's phone number and address;
 - b. Local police department phone number and address;
 - c. Title, name and phone number of the contractor's contact whom should be contacted in the event of an emergency.
5. Contractor worker documentation for all workers on-site
 - a. Proof of AHERA training
 - b. Proof of Medical approval to wear a respirator
 - c. Respirator fit test
6. Contractor's respiratory protection program
7. Challenge testing certificates
8. Negative exposure assessment (if requesting to don lesser PPE than specified in the SOW)
9. Safety data sheets all hazardous materials (as defined by Cal/OSHA)
10. Waste Disposal
 - a. Paperwork for landfill proving the landfill will accept the waste
 - b. Proof of licensed waste hauler and company for hazardous waste
 - c. Waste characterization of lead waste
 - d. Manifest for all types of waste to be generated

Submittals Required During the Project

1. Daily copies
 - a. Safety meeting (if held daily)
 - b. Worker roster of all employees onsite – regardless of training
 - c. Entry/exit log for employees entering/exiting containment/regulated area
2. Weekly
 - a. Safety meeting
 - b. Worker personal air monitoring
 - c. Area air monitoring

Submittals Required at the Conclusion of the Project

1. Contractor air monitoring & laboratory results (refer to the SOW for required frequency)
2. Any other paperwork as requested by the Consultant or Building Owner



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Attachment C - SDS for Chemsafe Clear

SAFETY DATA SHEET**TRADE NAME: CHEMSAFE CLEAR**

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ISSUE DATE: 1/15/1990

REVISION DATE: 4/15/2015

1. PRODUCT AND COMPANY IDENTIFICATION**GHS PRODUCT IDENTIFIER:**

TRADE NAME; CHEMSAFE CLEAR (CARB COMPLIANT)

OTHER MEANS OF IDENTIFICATION:**RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE:**

RECOMMENDED USE: Mastic Removal

SUPPLIER'S DETAILS:

1480 GRANDVIEW AVE.
THOROFARE, NJ 08086
(800)767-6933

EMERGENCY PHONE NUMBER:

COMPANY PHONE NUMBER: (800)767-6933

(24HR) EMERGENCY NUMBER: CHEM-TREC (800)424-9300

2. HAZARD IDENTIFICATION**GHS CLASSIFICATION:**

GHS CLASSIFICATION SCALE: 1=SEVERE HAZARD, 4=SLIGHT HAZARD)

ASPIRATION HAZARD
SERIOUS EYE DAMAGE IRRITATION

CATEGORY 1
CATEGORY 2A

LABEL ELEMENTS:**SIGNAL WORD: DANGER****HAZARD STATEMENTS:**

Causes serious eye irritation
May be fatal if swallowed and enters airways

SAFETY DATA SHEET**TRADE NAME: CHEMSAFE CLEAR**

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HAZARD SYMBOLS:**PRECAUTIONARY STATEMENTS:**

Keep out of reach of children
 Wash hands, face and all exposed skin areas after handling.
 Wear protective gloves/protective clothing/eye protection/face protection

PRECAUTIONARY STATEMENTS (RESPONSE):

IF SWALLOWED: Immediately call a poison center or doctor or physician. Do not induce vomiting.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

PRECAUTIONARY STATEMENTS (STORAGE):

Store locked up.

PRECAUTIONARY STATEMENTS (DISPOSAL):

Dispose of contents/container to an approved waste disposal plant in accordance with applicable local/regional/national and international regulations and product characteristics at time of disposal.

OTHER HAZARDS:

Repeated or prolonged exposure can cause skin dryness or cracking.

3. COMPOSITION INFORMATION ON INGREDIENTS

INGREDIENT IDENTITY	CAS NUMBER	PERCENTAGE
DISTILLATES, PETROLEUM HYDROTREATED, LIGHT	64742-47-8	PROPRIETARY
BUTOXYDIGLYCOL	112-34-5	PROPRIETARY

REMAINING INGREDIENTS ARE NOT REPORTABLE UNDER OSHA/SDS GUIDELINES. THE EXACT PERCENTAGES OF SOME INGREDIENTS HAVE BEEN WITHHELD AS (CBI) CONFIDENTIAL BUSINESS INFORMATION TRADE SECRET.

4. FIRST AID MEASURES

INGESTION: If swallowed, wash out mouth with water. Do not induce vomiting, this product is an aspiration hazard. If spontaneous vomiting occurs, keep head below hips to prevent aspiration of liquid into the lung. Never give anything by mouth to an unconscious person.

SKIN CONTACT: Remove contaminated clothing. Wash with soap and plenty of water for 15 minutes. Wash contaminated clothing before reuse. If irritation occurs get medical advice.

INHALATION: Move individual away from exposure and into fresh air. If breathing is irregular or stopped, administer artificial respiration. In case of shortness of breath, give oxygen. Call a physician immediately.

EYE CONTACT: Rinse cautiously with water for several minutes. Remove contact lenses if easy to do. Continue rinsing. If eye irritation persists, get medical attention/advice.

Most Important Symptoms and Effects, Acute and Delayed

INGESTION: Symptoms may include diarrhea, gastric pain, and vomiting.

SKIN CONTACT: Symptoms may include redness, dryness and cracking of skin.

INHALATION: Not expected; however, symptoms may include irritation of respiratory tract and/or CNS symptoms such as dizziness, confusion, drowsiness or fatigue.

EYE CONTACT: Symptoms may include stinging, tearing, redness and blurred vision.

Indication of immediate medical attention and special treatment needed, if necessary.

Treat Symptomatically.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Use fire extinguishers suitable for surrounding fire, possibly consisting of water spray, dry chemical, carbon dioxide, or foam.

Unsuitable extinguishing media- Do not use water jet.

Specific hazards arising from the chemical: In a fire or if heated, a pressure increase will occur and the container may burst. Material will burn in a fire. Flash point is over 200F. Material will emulsify and not directly float with water spray and emulsion could aid in not exacerbating fire.

Hazardous thermal decomposition products: carbon monoxide and CO₂

Special protective actions for fire-fighters: Keep product containers and surrounding areas cool with water spray. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters: Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Avoid breathing vapor or mists. Put on appropriate personal protective equipment. Wear appropriate respirator when ventilation is inadequate.

For emergency responders: If specialized clothing is required to deal with the spillage, take note of information in section 8 for further information. See also information in non-emergency personnel above.

Environmental precautions: Avoid dispersal of spilled material with soil, waterways, drains and sewers. See section 12 for additional ecological information.

Methods and materials for containment and cleaning up.

Small spill: Stop leak if without risk. Move containers from the spill area. Absorb with an inert dry non combustible material such as diatomaceous earth or vermiculite and place in an appropriate waste disposal container. Mop any remaining residues with soap and water and dispose of wastes via a licensed waste disposal contractor according to federal, state and local regulations.

Large spill: Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, drains, water courses and confined areas. Wash spillages into an effluent treatment plant or absorb with an inert dry non combustible material such as diatomaceous earth or vermiculite and place in a appropriate waste disposal containers. Mop any remaining residues with soap and water and dispose of wastes via a licensed waste disposal contractor according to federal, state and local regulations.

7. HANDLING AND STORAGE

Precautions for Safe Handling:

Safe Handling Advice: Utilize appropriate personal protective equipment when handling product. Do not swallow. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mists. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container and tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. No smoking. Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection and face protection during use. Emptied containers can contain product residues and remain hazardous. Do not reuse, flame cut, braze or weld container and observe all sds information around empty containers and dispose of in accordance with federal, state and local regulations.

Advice on general occupational hygiene: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also section 8 for additional hygiene information.

Conditions for safe storage including any incompatibilities:

Store in original container in a dry, cool and well ventilated area away from strong oxidizing agents (see section 10) and food and drink. Store locked up. Eliminate all ignition sources. Keep container tightly closed when not in use. Do not store in unlabeled containers.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

<u>Control Parameters</u>	<u>Occupational Exposure Limits</u>		
<u>Ingredient Identity</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>NIOSH IDLH</u>
Butoxydiglycol	112-34-5	TWA 10ppm	

Distillates, Petroleum TWA:skin absorption 200mg/m³ (as total hydrocarbon vapor) 8 hours
Hydrotreated, Light 64742-47-8

Appropriate Engineering Controls

Engineering Controls: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants and air concentrations below occupational exposure standards.

Individual protection measures, such as personal protective equipment. (PPE)

Eye/Face Protection: Wear approved tightly sealed safety goggles

Skin & Body Protection: Wear chemical resistant, impervious gloves at all times when handling chemical products. Check during use that gloves are still retaining their impervious properties, as the time for breakthrough can change from different manufacturers and chemical mixtures cannot always be accurately measured. Appropriate footwear and suitable protective clothing should be worn for the degree and risk of exposure.

Respiratory Protection: If workplace exposure limits of product or any component is exceeded, utilize proper respiratory protection program guidelines (see OSHA 1910.134 and American National Standard ANSI Z88.2) Use a properly fitted NIOSH/MSHA air-purifying or air-fed respirator in compliance with the above mentioned standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: clear liquid

Odor: near odorless

Odor threshold: not available

pH: not applicable

Melting Point/Freezing Point: -56F

Initial Boiling Point/Range: 344F-473F

Flash Pt: >200F lowest ingredient, does not sustain combustion

Evaporation Rate: <1 (butyl acetate=1)

Lower explosive limits: .6% Aliphatic Solvent

Upper explosive limits: 5.5% Aliphatic Solvent

Vapor Pressure: meets CARB guidelines

Vapor Density: 4.5-5 (air=1)

Relative Density: .84

Solubility in water: Emulsifies

Partition coefficient: not applicable

Auto ignition temp: >428F

Decomposition Temp: not available

Viscosity: pourable liquid

10. STABILITY AND REACTIVITY

Reactivity: Stable in normal ambient temperature and pressure

Chemical Stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: not under normal conditions of storage and use.

Conditions to Avoid: Open flames, sparks

Incompatible Materials: Oxidizing materials

Hazardous Decomposition Products: Carbon monoxide and Carbon Dioxide

11. TOXICOLOGICAL INFORMATION

Acute toxicity: Not classified,

Skin corrosion irritation: not classified,

Serious Eye damage: classified, Category 2, Causes serious eye irritation, Butoxydiglycol 112-34-5

Sensitization: Not classified,

Mutagenicity: Not classified,

Carcinogenicity: Not classified

Reproductive Toxicity: Not Classified

Teratogenicity: Not Available

Specific target Organ Toxicity (single exposure)

Not classified

Specific target Organ Toxicity (repeated exposure):

Not classified

Aspiration Hazard:

Distillate petroleum hydrotreated, light 64742-47-8 , Aspiration Hazard Category 1

SAFETY DATA SHEET**TRADE NAME: CHEMSAFE CLEAR**

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Information on the likely routes of exposure:**Ingestion:** May be harmful if swallowed. May be fatal if swallowed and enters airways.**Inhalation:** Do not breathe vapors or mists.**Skin:** May be harmful in contact with skin.**Eye:** Causes serious eye irritation**Symptoms related to the physical, chemical and toxicological characteristics****Ingestion:** See section iv, most important symptoms and effects, acute and delayed.**Inhalation:** See section iv, most important symptoms and effects, acute and delayed.**Skin:** See section iv, most important symptoms and effects, acute and delayed.**Eye:** See section iv, most important symptoms and effects, acute and delayed.**Delayed and immediate effects and also chronic effects from short and long term exposure.**

General: Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis

Carcinogenicity: no known significant effects or critical hazards. Not classifiable.

Numerical measures of Toxicity

Not Available

12. ECOLOGICAL INFORMATION**Toxicity:**

<u>Ingredient name</u>	<u>Result</u>	<u>Species</u>	<u>Exposure</u>
Distillate Petroleum, Hydrotreated, light	Chronic NOEL 0.48 mg/l	Daphnia	21 days

Persistence and degradability:Distillate Petroleum: Biodegradability-inherent
Hydrotreated

Butoxydiglycol 112-34-5: readily biodegradable

Bioaccumulation Potential:

Not expected to bioaccumulate

Mobility in Soil:

No data

Other adverse Effects:

No known significant effects or critical hazards

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with applicable federal, state and local regulations.

SAFETY DATA SHEET**TRADE NAME: CHEMSAFE CLEAR**

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14. TRANSPORTATION INFORMATION

DOT: NOT REGULATED
IATA: NOT REGULATED
IMDG: NOT REGULATED

15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: All ingredients are listed or exempted with TSCA.

SARA 302/304: no products were found.

SARA 311/312: acute health hazard

Ingredient	%	FIRE HAZARD	PRESSURE RELEASE	REACTIVE	IMMEDIATE ACUTE	DELAYED CHRONIC
Distillate Petroleum, Hydrotreated	80-95	YES	NO	NO	NO	NO
Butoxydiglycol 112-34-5	PROPRIETARY				YES	YES

SARA 313: butoxydiglycol, <12%

STATE REGULATIONS:

Ingredient	New York	New Jersey	Massachusetts	Pennsylvania
Distillate Petroleum Hydrotreated. 64742-47-8	No	No	No	No
Butoxydiglycol 112-34-5	No	Yes	Yes	yes

California Prop 65: none known

16. OTHER INFORMATION

HMIS RATING: HEALTH (1) FIRE (1) REACTIVITY (0)
 4=EXTREME, 3=HIGH, 2=MODERATE, 1=SLIGHT, 0=INSIGNIFICANT

NOTICE TO READER:

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. The information on this sds was obtained from sources which we believe are reliable. However, the information is provided without any warranty, expressed or implied, regarding its correctness. Users are advised to confirm in advance of need, that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the sds. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed.



Attachment D - Initial Inspection Report



**SUMMARY OF LIMITED ASBESTOS
FLOORING INSPECTION FINDINGS**

Site Information:

McKinley ES – Rooms 14-18, 24-29, 34-43 & CCS Rooms
601 4th Street, Bakersfield, CA 93304



Prepared for:

Mr. Victor Valdez, Supervisor
Bakersfield City School District
1300 Baker Street, Bakersfield, CA 93305
(661) 631-5883

Prepared by:

Kristy Yowell, CAC No. 09-4500
YES Environmental, Inc. (YES, Inc.)
YES, Inc. Project Number 23YES-115
October 18, 2023



Purpose of this Inspection

Bakersfield City School District contacted YES, Inc. to request an asbestos inspection of the flooring and wall base materials anticipated to be disturbed during a future planned flooring renovation project at McKinley ES. The planned flooring renovations includes these rooms:

- Rooms 14-18
- Rooms 24-29
- Rooms 34-36
- Rooms 37-39
- Rooms 40-43
- CCS located east of Room 36

YES, Inc. performed the survey on Wednesday, September 27, 2023. The inspection was performed by Ms. Kristy Yowell who is certified by Cal/OSHA as an asbestos consultant. During the site visit, Ms. Yowell was accompanied by Mr. Victor Valdez of BCSD who confirmed the rooms and the materials anticipated to be disturbed.

Regulatory Review

This survey was performed in compliance with the following regulations:

- EPA NESHAP regulation 40 CFR Part 61 Subpart M
- EPA AHERA regulation 40 CFR Part 76
- Cal/OSHA regulation Title 8 CCR Section 1529

The local enforcement office for the EPA NESHAP regulation, also known as San Joaquin Valley Air Pollution Control District (SJVAPCD), requires asbestos inspections of buildings and regulated structures to be performed prior to renovation or demolition activities, regardless of the age of the building or material(s) planned to be disturbed. This survey has met this requirement. Should the District opt to proceed with the removal or disturbance of the asbestos-containing materials discussed below (if any), notification to SJVAPCD and a 10-day waiting period may be required. Please contact YES, Inc. consulting firm prior to proceeding with work to determine the applicability of notification requirements.

EPA AHERA regulation determines the sampling protocol in K-12 public and non-profit private schools. The sampling protocols of this regulation were followed. AHERA also requires schools to add this inspection information to their existing Asbestos Management Plan. A copy should be added to the main record in the District Office and a copy should be also retained on-site at the school. Since your District is a member of Self-Insured Schools of California (SISC), they should be notified of this inspection activity in order to update their copy of your school's asbestos management plan. Their office can be reached at (661) 636-4710.

Cal/OSHA requires an inspection of materials suspect to contain asbestos prior to work commencing in order to protect workers who will be working directly with or around asbestos-containing materials. Should the District proceed with any disturbance of the materials (in any amount) included in this survey, a copy of this report should be provided to all contractors involved. Note: there are other notifications that may be required in order to comply with this regulation. Please contact YES, Inc. consulting firm before proceeding with work to determine the applicability such notifications.



Inspection Protocol

Suspect flooring and wall base materials were inspected. Samples were collected by misting the material being sampled with water, then cutting, scraping, hammering or chiseling from the substrate. Whenever possible, the samples were collected from areas previously damaged or deteriorating. The samples were placed in their own plastic sample bag, sealed, and labeled with a unique identification number. Sampling tools were individually cleaned before and after each sample was collected to avoid sample cross contamination.

The samples collected were recorded on YES, Inc.'s chain-of-custody form which accompanied them to the laboratory for analysis. The samples were shipped via FedEx to EMSL Analytical, Inc., an NVLAP accredited laboratory in San Leandro, CA. The samples were analyzed using polarized light microscopy (PLM) with dispersion staining.

Summary of Laboratory Findings

Material Description	Location	% Asbestos	NESHAP Category
Red/grey multi carpet & glue over floor tile & black mastic Sample #s: 01A-01C, 05A-05C, 06A, 07A	Flooring throughout rooms 14-18 and 34-36, 37-39, 40-43; these rooms include all ancillary rooms, storage rooms, closets, etc. in the wings. NOTE: the carpet conceals anywhere between 80-100% of the rooms' ACM flooring	Carpet & glue=ND Concealed tile=3% CH Black Mastic=1-3%CH	Category I Non-friable <i>Unless removed using mechanical means</i>
12" Cream oatmeal floor tile & black mastic over floor tile & black mastic Sample #: 02A	Flooring throughout rooms 14-18 NOTE: the carpet conceals anywhere between 0-100% of the rooms' ACM flooring	12" Floor tile & black mastic=ND Concealed tile=3% CH Black Mastic=1-3%CH	Category I Non-friable <i>Unless removed using mechanical means</i>
12" Cream oatmeal floor tile and red/grey multi carpet & glue over floor tile, black mastic & black felts Sample #s: 03A-03B & 12A	Flooring throughout rooms 24-28	12" Tile, carpet & glues=ND Concealed tile=3% CH Black Mastic=ND Felts=ND	Category I Non-friable <i>Unless removed using mechanical means</i>
12" Tan tile with yellow & brown streaks & black mastic Sample #s: 04A-04B	Flooring throughout room 29 NOTE: Wood baseboard. Categorized as non-suspect.	No asbestos detected	N/A
24" Grey with blue streaks floor tile & yellow glue Sample #: 09A	Flooring throughout CCS Room (located east of room 36)	No asbestos detected	N/A
4" Cream baseboard & white glue Sample #s: 10A-10C	Baseboards throughout 14-29, 34-43 and CCS room.	No asbestos detected	N/A



Material Description	Location	% Asbestos	NESHAP Category
3" & 4" Grey & Cream baseboards & glues Sample #: 11A	Baseboards throughout 38A & 38B rooms	No asbestos detected	N/A
Cream mosaic sheet flooring & glue Sample #: 08A	Surface level flooring throughout room 38 NOTE: over concealed ACM flooring	No asbestos detected	N/A

SJVAPCD NESHAP Definitions

Category I non-friable asbestos-containing material (ACM) means asbestos-containing packings, gaskets, resilient floor covering, and asphalt roofing products containing more than 1 percent asbestos.

Category II non-friable ACM means any material, excluding Category I non-friable ACM, containing more than 1 percent asbestos.

Regulated asbestos-containing material (RACM) means

- (a) Friable asbestos material;
- (b) Category I nonfriable ACM that has become friable;
- (c) Category I nonfriable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading; or
- (d) Category II nonfriable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations regulated by this subpart.



DISCLAIMERS

The nature of renovation/demolition is such that materials can be uncovered which previously were unknown to exist. Therefore, YES, Inc. cannot be responsible for “hidden materials”, although a reasonable effort was made during the inspection to detect all suspect materials. If any materials other than those included in this report and/or its attachments are discovered during renovation, it must be assumed that the materials are asbestos-containing, and the project should then be halted and re-evaluated.

This report has been prepared for the exclusive use of YES, Inc.’s client and is not intended for use by any other party. Any use of this report by a third party shall be at their own risk and shall constitute release and an agreement to defend and indemnify YES, Inc. from any and all liability in connection therewith.

This report and its evaluations/conclusions are based on the current condition of the project and/or materials inspected. This report does not assess or anticipate future events that may impact or damage asbestos (if any). Future changes in the condition of ACM may require a new assessment by a certified asbestos consultant.

This report is not a work plan or project specification.

RECOMMENDATIONS

YES, Inc. recommends that the building owner disseminate this report to all prospective contractors bidding work at the subject site to assist them in the materials have been tested for asbestos content.

Thank you for using YES, Inc. for your consulting needs. We look forward to work together in the future.

Sincerely,

Kristy Yowell

Kristy Yowell, President

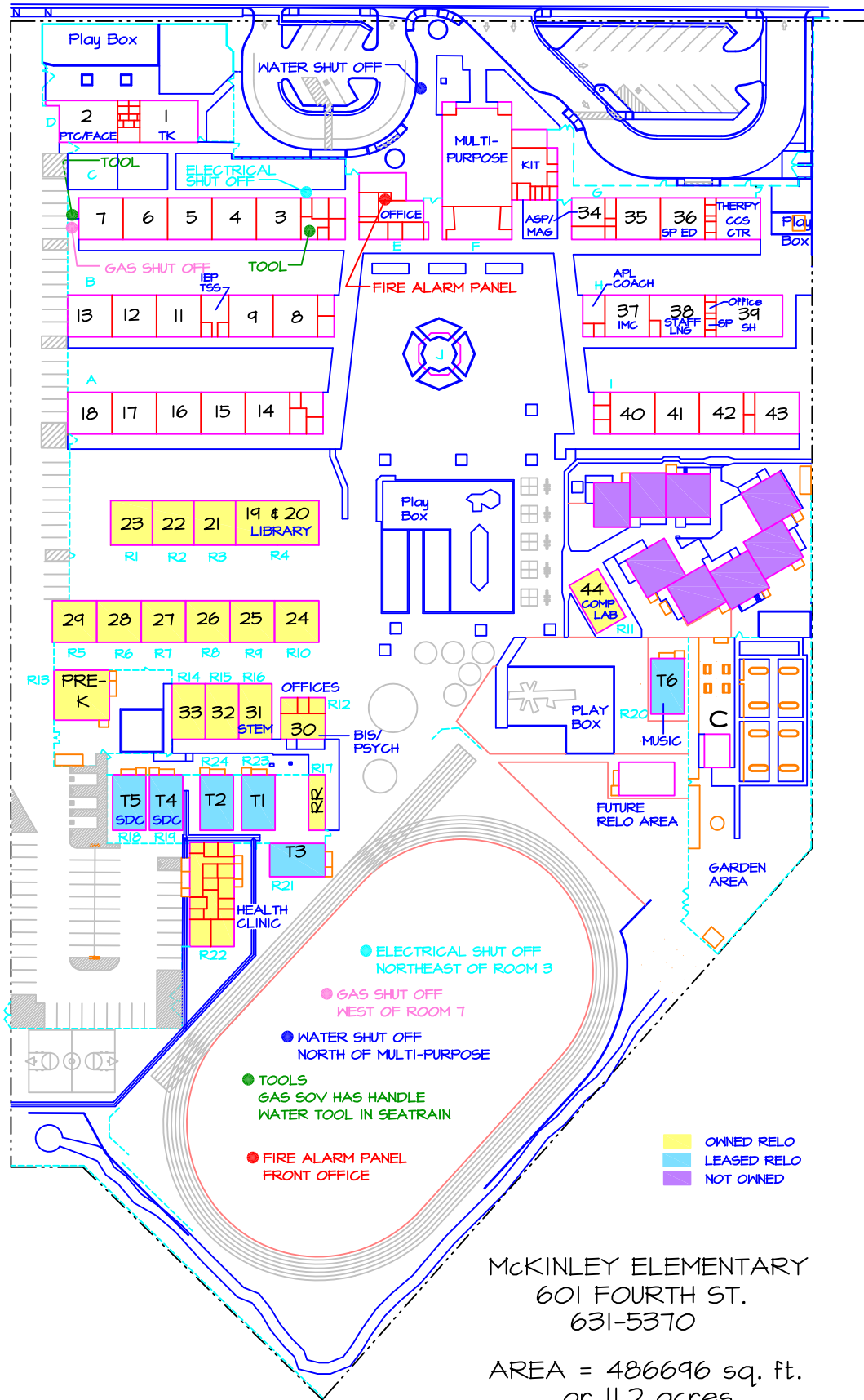
Attachments: A – Site Map
B – Chain of Custody & Laboratory Results
C – Consultant & Laboratory Certifications



YES Environmental, Inc. Page 27 of 28

1201 24th Street, Suite B110-377, Bakersfield, CA 93301 - (661) 527-0820

Attachment A – Site Map



McKINLEY ELEMENTARY
 601 FOURTH ST.
 631-5370

AREA = 486696 sq. ft.
 or 11.2 acres



1201 24th Street, Suite B110-377, Bakersfield, CA 93301 - (661) 527-0820

Attachment B – Chain of Custody & Laboratory Results



YES Environmental, Inc.

1201 24th Street, Ste B110-377, Bakersfield, CA 93301 / (661) 527-0820

Contact Name & Phone Number	Kristy Yowell (661) 477-4662	Account #	YWEL75
Comments	Please e-mail results to: kristy@yowellenvironmental.com	TYPE OF ANALYSIS AND TURN AROUND TIME	
Collected By	Kristy Yowell	PLM with Dispersion Staining	
Date Samples Collected	9/27/2023	72 Hour	
Job # & Client	23YES-115 – Bakersfield City School District	LAB	EMSL Analytical, Inc.
Job Site Name & Description	McKinley Elementary School-Flooring Inspection		
Submitted By	Kristy Yowell <i>[Signature]</i>	Date	9/28/2023
Received By	<i>JM EXP DJ</i>	Date	09292023-0915

SAMPLE ID	1 st LINE: MATERIAL DESCRIPTION – 2 ND LINE: SAMPLE LOCATION
23YES-115-01A	RED/GREY MULTI CARPET & GLUE OVER FLOOR TILE & BLACK MASTIC
	ROOM 14 – SOUTH SIDE CENTER
23YES-115-01B	RED/GREY MULTI CARPET & GLUE OVER FLOOR TILE & BLACK MASTIC
	ROOM 18 – SOUTH SIDE CENTER
23YES-115-01C	RED/GREY MULTI CARPET & GLUE OVER FLOOR TILE & BLACK MASTIC
	ROOM 36 – SOUTH SIDE CENTER
23YES-115-02A	12" CREAM OATMEAL FLOOR TILE & BLACK MASTIC OVER FLOOR TILE & BLACK MASTIC
	ROOM 16 – WEST SIDE NORTH END
23YES-115-03A	RED/GREY MULTI CARPET & GLUE OVER FLOOR TILE, BLACK MASTIC & FELT
	ROOM 28 – CENTER
23YES-115-03B	RED/GREY MULTI CARPET & GLUE OVER FLOOR TILE, BLACK MASTIC & FELT
	ROOM 22 – NORTHWEST AREA
23YES-115-04A	12" TAN WITH YELLOW & BROWN STREAKS FLOOR TILE & BLACK MASTIC
	ROOM 29 – NORTHEAST AREA
23YES-115-04B	12" TAN WITH YELLOW & BROWN STREAKS FLOOR TILE & BLACK MASTIC
	ROOM 29 – SOUTHWEST AREA
23YES-115-05A	CONCEALED FLOOR TILE & BLACK MASTIC
	ROOM 37 IMC – CENTER AT DAMAGE (UNDER CARPET)
23YES-115-05B	CONCEALED FLOOR TILE & BLACK MASTIC
	ROOM 39 – SOUTH SIDE CENTER (UNDER CARPET)



YES Environmental, Inc.

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#092321335
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Contact Name & Phone Number	Kristy Yowell (661) 477-4662	Account #	YWEL75
Comments	Please e-mail results to: kristy@yowellenvironmental.com	TYPE OF ANALYSIS AND TURN AROUND TIME	
Collected By	Kristy Yowell	PLM with Dispersion Staining	
Date Samples Collected	9/27/2023	72 Hour	
Job # & Client	23YES-115 – Bakersfield City School District	LAB	EMSL Analytical, Inc.
Job Site Name & Description	McKinley Elementary School-Flooring Inspection		
Submitted By	Kristy Yowell <i>YK</i>	Date	9/28/2023
Received By	<i>JM EFXD</i>	Date	09292023-0915

SAMPLE ID	1 st LINE: MATERIAL DESCRIPTION – 2 ND LINE: SAMPLE LOCATION
23YES-115-05C	CONCEALED FLOOR TILE & BLACK MASTIC
	ROOM 42 – SOUTH SIDE CENTER
23YES-115-06A	CONCEALED TAN TILE & BLACK MASTIC
	ROOM 35 – NORTHEAST AREA (UNDER 12" VFT)
23YES-115-07A	12" CREAM OATMEAL FLOOR TILE & YELLOW GLUE
	ROOM 39A – WEST SIDE CENTER
23YES-115-08A	CREAM MOSAIC SHEET FLOORING & GLUE
	ROOM 34 – NORTHWEST AREA
23YES-115-09A	24" GREY WITH BLUE STREAKS FLOOR TILE & YELLOW GLUE
	CCS - NORTHEAST ROOM – WEST SIDE CENTER
23YES-115-10A	4" CREAM BASEBOARDS AND WHITE & YELLOW GLUE
	ROOM 17 – WEST SIDE NORTH END
23YES-115-10B	4" CREAM BASEBOARDS & WHITE GLUE
	ROOM 26 – NORTHEAST AREA
23YES-115-10C	4" CREAM BASEBOARDS & WHITE GLUE
	INTERCONNECTING HALLWAY OF ROOMS 34 & 34 – EAST SIDE AT DOORWAY
23YES-115-11A	4" GREY & 3" CREAM BASEBOARDS AND GLUES
	ROOM 39A – WEST CENTER AT ENTRY
23YES-115-12A	12" CREAM OATMEAL FLOOR TILE & GLUE OVER FLOOR TILE, BLACK MASTIC & FELT
	ROOM 26 – NORTH SIDE UNDER CABINET



EMSL Analytical, Inc.

464 McCormick Street San Leandro, CA 94577

Tel/Fax: (510) 895-3675 / (510) 895-3680

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Customer ID: YWEL75

Customer PO: 23YES-115

Project ID:

Attention: Kristy Yowell
YES Environmental, Inc.
1201 24th Street, Suite B110-377
Bakersfield, CA 93301

Phone: (661) 477-4662

Fax:

Received Date: 09/29/2023 9:15 AM

Analysis Date: 10/03/2023

Collected Date: 09/28/2023

Project: 23YES-115 - BAKERSFIELD CITY SCHOOL DISTRICT - MCKINLEY ELEMENTARY SCHOOL - FLOORING INSPECTION

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
23YES-115-01A-Carpet <small>092321335-0001</small>	RED/GREY MULTI CARPET & GLUE OVER FLOOR TILE & BLACK MASTIC - ROOM 14 - SOUTH SIDE CENTER	Gray/Red Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
23YES-115-01A-Glue <small>092321335-0001A</small>	RED/GREY MULTI CARPET & GLUE OVER FLOOR TILE & BLACK MASTIC - ROOM 14 - SOUTH SIDE CENTER	Clear Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
23YES-115-01A-Floor Tile <small>092321335-0001B</small>	RED/GREY MULTI CARPET & GLUE OVER FLOOR TILE & BLACK MASTIC - ROOM 14 - SOUTH SIDE CENTER	Beige Non-Fibrous Homogeneous		20% Ca Carbonate 60% Matrix 20% Non-fibrous (Other)	None Detected
23YES-115-01A-Mastic <small>092321335-0001C</small>	RED/GREY MULTI CARPET & GLUE OVER FLOOR TILE & BLACK MASTIC - ROOM 14 - SOUTH SIDE CENTER	Black Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	<1% Chrysotile
23YES-115-01B-Carpet <small>092321335-0002</small>	RED/GREY MULTI CARPET & GLUE OVER FLOOR TILE & BLACK MASTIC - ROOM 18 - SOUTH SIDE CENTER	Gray/Red Fibrous Homogeneous	95% Synthetic	5% Non-fibrous (Other)	None Detected
23YES-115-01B-Glue <small>092321335-0002A</small>	RED/GREY MULTI CARPET & GLUE OVER FLOOR TILE & BLACK MASTIC - ROOM 18 - SOUTH SIDE CENTER	Clear Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
23YES-115-01B-Floor Tile <small>092321335-0002B</small>	RED/GREY MULTI CARPET & GLUE OVER FLOOR TILE & BLACK MASTIC - ROOM 18 - SOUTH SIDE CENTER	Beige Non-Fibrous Homogeneous		20% Ca Carbonate 50% Matrix 30% Non-fibrous (Other)	None Detected
23YES-115-01B-Mastic <small>092321335-0002C</small>	RED/GREY MULTI CARPET & GLUE OVER FLOOR TILE & BLACK MASTIC - ROOM 18 - SOUTH SIDE CENTER	Black Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	<1% Chrysotile

Initial report from: 10/03/2023 17:46:33



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464 McCormick Street San Leandro, CA 94577

Tel/Fax: (510) 895-3675 / (510) 895-3680

<http://www.EMSL.com> / sanleandrolab@emsl.com

EMSL Order: 092321335
Customer ID: YWEL75
Customer PO: 23YES-115
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
23YES-115-01C-Carpet 092321335-0003	RED/GREY MULTI CARPET & GLUE OVER FLOOR TILE & BLACK MASTIC - ROOM 36 - SOUTH SIDE CENTER	Gray/Red Fibrous Homogeneous	95% Synthetic	5% Non-fibrous (Other)	None Detected
23YES-115-01C-Glue 092321335-0003A	RED/GREY MULTI CARPET & GLUE OVER FLOOR TILE & BLACK MASTIC - ROOM 36 - SOUTH SIDE CENTER	Clear Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
23YES-115-01C-Floor Tile 092321335-0003B	RED/GREY MULTI CARPET & GLUE OVER FLOOR TILE & BLACK MASTIC - ROOM 36 - SOUTH SIDE CENTER	Tan Non-Fibrous Homogeneous		15% Ca Carbonate 60% Matrix 22% Non-fibrous (Other)	3% Chrysotile
23YES-115-01C-Mastic 092321335-0003C	RED/GREY MULTI CARPET & GLUE OVER FLOOR TILE & BLACK MASTIC - ROOM 36 - SOUTH SIDE CENTER	Black Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
23YES-115-02A-Floor Tile 1 092321335-0004	12" CREAM OATMEAL FLOOR TILE & BLACK MASTIC OVER FLOOR TILE & BLACK MASTIC - ROOM 16 - WEST SIDE NORTH END	Beige Non-Fibrous Homogeneous		20% Ca Carbonate 60% Matrix 20% Non-fibrous (Other)	None Detected
23YES-115-02A-Mastic 1 092321335-0004A	12" CREAM OATMEAL FLOOR TILE & BLACK MASTIC OVER FLOOR TILE & BLACK MASTIC - ROOM 16 - WEST SIDE NORTH END	Black Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
23YES-115-02A-Floor Tile 2 092321335-0004B	12" CREAM OATMEAL FLOOR TILE & BLACK MASTIC OVER FLOOR TILE & BLACK MASTIC - ROOM 16 - WEST SIDE NORTH END	Tan Non-Fibrous Homogeneous		20% Ca Carbonate 60% Matrix 20% Non-fibrous (Other)	None Detected
23YES-115-02A-Mastic 2 092321335-0004C	12" CREAM OATMEAL FLOOR TILE & BLACK MASTIC OVER FLOOR TILE & BLACK MASTIC - ROOM 16 - WEST SIDE NORTH END	Black Non-Fibrous Homogeneous	2% Cellulose	80% Matrix 15% Non-fibrous (Other)	3% Chrysotile



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Tel/Fax: (510) 895-3675 / (510) 895-3680

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Customer ID: YWEL75

Customer PO: 23YES-115

Project ID:

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
23YES-115-03A-Carpet 092321335-0005	RED/GREY MULTI CARPET & GLUE OVER FLOOR TILE, BLACK MASTIC & FELT - ROOM 28 - CENTER	Gray/Red Fibrous Homogeneous	95% Synthetic	5% Non-fibrous (Other)	None Detected
23YES-115-03A-Glue 092321335-0005A	RED/GREY MULTI CARPET & GLUE OVER FLOOR TILE, BLACK MASTIC & FELT - ROOM 28 - CENTER	Yellow Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
23YES-115-03A-Floor Tile 092321335-0005B	RED/GREY MULTI CARPET & GLUE OVER FLOOR TILE, BLACK MASTIC & FELT - ROOM 28 - CENTER	Tan Non-Fibrous Homogeneous		10% Ca Carbonate 60% Matrix 27% Non-fibrous (Other)	3% Chrysotile
23YES-115-03A-Mastic 1 092321335-0005C	RED/GREY MULTI CARPET & GLUE OVER FLOOR TILE, BLACK MASTIC & FELT - ROOM 28 - CENTER	Black Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
23YES-115-03A-Felt 092321335-0005D	RED/GREY MULTI CARPET & GLUE OVER FLOOR TILE, BLACK MASTIC & FELT - ROOM 28 - CENTER	Gray/White/Black Fibrous Homogeneous	85% Cellulose	10% Matrix 5% Non-fibrous (Other)	None Detected
23YES-115-03A-Mastic 2 092321335-0005E	RED/GREY MULTI CARPET & GLUE OVER FLOOR TILE, BLACK MASTIC & FELT - ROOM 28 - CENTER	Brown Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
23YES-115-03B-Carpet 092321335-0006	RED/GREY MULTI CARPET & GLUE OVER FLOOR TILE, BLACK MASTIC & FELT - ROOM 22 - NORTHWEST AREA	Gray/Red Fibrous Homogeneous	95% Synthetic	5% Non-fibrous (Other)	None Detected
23YES-115-03B-Glue 092321335-0006A	RED/GREY MULTI CARPET & GLUE OVER FLOOR TILE, BLACK MASTIC & FELT - ROOM 22 - NORTHWEST AREA	Yellow Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
23YES-115-03B-Floor Tile 092321335-0006B	RED/GREY MULTI CARPET & GLUE OVER FLOOR TILE, BLACK MASTIC & FELT - ROOM 22 - NORTHWEST AREA	Tan Non-Fibrous Homogeneous		10% Ca Carbonate 60% Matrix 27% Non-fibrous (Other)	3% Chrysotile
23YES-115-03B-Mastic 092321335-0006C	RED/GREY MULTI CARPET & GLUE OVER FLOOR TILE, BLACK MASTIC & FELT - ROOM 22 - NORTHWEST AREA	Black Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected

Initial report from: 10/03/2023 17:46:33



EMSL Analytical, Inc.

464 McCormick Street San Leandro, CA 94577

Tel/Fax: (510) 895-3675 / (510) 895-3680

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Customer ID: YWEL75
Customer PO: 23YES-115
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
23YES-115-03B-Felt <small>092321335-0006D</small>	RED/GREY MULTI CARPET & GLUE OVER FLOOR TILE, BLACK MASTIC & FELT - ROOM 22 - NORTHWEST AREA	Black Fibrous Homogeneous	85% Cellulose	10% Matrix 5% Non-fibrous (Other)	None Detected
23YES-115-04A-Floor Tile <small>092321335-0007</small>	12" TAN WITH YELLOW & BROWN STREAKS FLOOR TILE & BLACK MASTIC - ROOM 29 - NORTHWEST AREA	Beige Non-Fibrous Homogeneous		20% Ca Carbonate 60% Matrix 20% Non-fibrous (Other)	None Detected
23YES-115-04A-Mastic 1 <small>092321335-0007A</small>	12" TAN WITH YELLOW & BROWN STREAKS FLOOR TILE & BLACK MASTIC - ROOM 29 - NORTHWEST AREA	Brown/Tan Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
23YES-115-04A-Mastic 2 <small>092321335-0007B</small>	12" TAN WITH YELLOW & BROWN STREAKS FLOOR TILE & BLACK MASTIC - ROOM 29 - NORTHWEST AREA	Black Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
23YES-115-04A-Leveler <small>092321335-0007C</small>	12" TAN WITH YELLOW & BROWN STREAKS FLOOR TILE & BLACK MASTIC - ROOM 29 - NORTHWEST AREA	White Non-Fibrous Homogeneous		60% Gypsum 40% Non-fibrous (Other)	None Detected
23YES-115-04B-Floor Tile <small>092321335-0008</small>	12" TAN WITH YELLOW & BROWN STREAKS FLOOR TILE & BLACK MASTIC - ROOM 29 - SOUTHWEST AREA	Beige Non-Fibrous Homogeneous		20% Ca Carbonate 60% Matrix 20% Non-fibrous (Other)	None Detected
23YES-115-04B-Mastic 1 <small>092321335-0008A</small>	12" TAN WITH YELLOW & BROWN STREAKS FLOOR TILE & BLACK MASTIC - ROOM 29 - SOUTHWEST AREA	Brown/Tan Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
23YES-115-04B-Mastic 2 <small>092321335-0008B</small>	12" TAN WITH YELLOW & BROWN STREAKS FLOOR TILE & BLACK MASTIC - ROOM 29 - SOUTHWEST AREA	Black Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
23YES-115-04B-Leveler <small>092321335-0008C</small>	12" TAN WITH YELLOW & BROWN STREAKS FLOOR TILE & BLACK MASTIC - ROOM 29 - SOUTHWEST AREA	White Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
23YES-115-05A-Floor Tile <small>092321335-0009</small>	CONCEALED FLOOR TILE & BLACK MASTIC - ROOM 37 IMC - CENTER AT DAMAGE (UNDER CARPET)	Tan Non-Fibrous Homogeneous		80% Matrix 18% Non-fibrous (Other)	2% Chrysotile

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EMSL Analytical, Inc.

464 McCormick Street San Leandro, CA 94577

Tel/Fax: (510) 895-3675 / (510) 895-3680

<http://www.EMSL.com> / sanleandrolab@emsl.com

EMSL Order: 092321335
Customer ID: YWEL75
Customer PO: 23YES-115
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
23YES-115-05A-Mastic 092321335-0009A	CONCEALED FLOOR TILE & BLACK MASTIC - ROOM 37 IMC - CENTER AT DAMAGE (UNDER CARPET)	Black Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
23YES-115-05B-Floor Tile 092321335-0010	CONCEALED FLOOR TILE & BLACK MASTIC - ROOM 339 - SOUTH SIDE CENTER (UNDER CARPET)	Tan Non-Fibrous Homogeneous		15% Ca Carbonate 60% Matrix 23% Non-fibrous (Other)	2% Chrysotile
23YES-115-05B-Mastic 1 092321335-0010A	CONCEALED FLOOR TILE & BLACK MASTIC - ROOM 339 - SOUTH SIDE CENTER (UNDER CARPET)	Black Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
23YES-115-05B-Leveler 092321335-0010B	CONCEALED FLOOR TILE & BLACK MASTIC - ROOM 339 - SOUTH SIDE CENTER (UNDER CARPET)	White Non-Fibrous Homogeneous		60% Ca Carbonate 15% Matrix 25% Non-fibrous (Other)	None Detected
<i>Result includes a small amount of inseparable attached material</i>					
23YES-115-05B-Mastic 2 092321335-0010C	CONCEALED FLOOR TILE & BLACK MASTIC - ROOM 339 - SOUTH SIDE CENTER (UNDER CARPET)	White Non-Fibrous Homogeneous		70% Matrix 30% Non-fibrous (Other)	None Detected
23YES-115-05C-Floor Tile 092321335-0011	CONCEALED FLOOR TILE & BLACK MASTIC - ROOM 42 - SOUTH SIDE CENTER	Tan Non-Fibrous Homogeneous		10% Ca Carbonate 70% Matrix 17% Non-fibrous (Other)	3% Chrysotile
23YES-115-05C-Mastic 092321335-0011A	CONCEALED FLOOR TILE & BLACK MASTIC - ROOM 42 - SOUTH SIDE CENTER	Black Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
23YES-115-06A-Floor Tile 092321335-0012	CONCEALED TAN TILE & BLACK MASTIC - ROOM 35 - NORTHEAST AREA (UNDER 12" VFT)	Tan Non-Fibrous Homogeneous		10% Ca Carbonate 60% Matrix 28% Non-fibrous (Other)	2% Chrysotile
23YES-115-06A-Mastic 092321335-0012A	CONCEALED TAN TILE & BLACK MASTIC - ROOM 35 - NORTHEAST AREA (UNDER 12" VFT)	Black Non-Fibrous Homogeneous		80% Matrix 17% Non-fibrous (Other)	3% Chrysotile
23YES-115-07A-Floor Tile 092321335-0013	12" CREAM OATMEAL FLOOR TILE & YELLOW GLUE - ROOM 39A - WEST SIDE CENTER	Beige Non-Fibrous Homogeneous		20% Ca Carbonate 60% Matrix 18% Non-fibrous (Other)	2% Chrysotile

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 Customer ID: YWEL75
 Customer PO: 23YES-115
 Project ID:

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
23YES-115-07A-Glue 092321335-0013A	12" CREAM OATMEAL FLOOR TILE & YELLOW GLUE - ROOM 39A - WEST SIDE CENTER	Yellow Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
23YES-115-08A-Sheet Flooring 092321335-0014 <i>This is a composite result of both vinyl and backing layer</i>	CREAM MOSAIC SHEET FLOORING & GLUE - ROOM 34 - NORTHWEST AREA	Gray/Tan Fibrous Homogeneous	15% Cellulose	10% Ca Carbonate 60% Matrix 15% Non-fibrous (Other)	None Detected
23YES-115-08A-Glue 092321335-0014A	CREAM MOSAIC SHEET FLOORING & GLUE - ROOM 34 - NORTHWEST AREA	Yellow Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
23YES-115-09A-Floor Tile 092321335-0015	24" GREY WITH BLUE STREAKS FLOOR TILE & YELLOW GLUE - CCS - NORTHEAST ROOM - WEST SIDE CENTER	Gray/Blue Non-Fibrous Homogeneous		5% Quartz 15% Ca Carbonate 60% Matrix 20% Non-fibrous (Other)	None Detected
23YES-115-09A-Glue 092321335-0015A	24" GREY WITH BLUE STREAKS FLOOR TILE & YELLOW GLUE - CCS - NORTHEAST ROOM - WEST SIDE CENTER	Yellow Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
23YES-115-09A-Cemen- titous Material 092321335-0015B	24" GREY WITH BLUE STREAKS FLOOR TILE & YELLOW GLUE - CCS - NORTHEAST ROOM - WEST SIDE CENTER	Gray Non-Fibrous Homogeneous		40% Quartz 40% Ca Carbonate 20% Non-fibrous (Other)	None Detected
23YES-115-10A-Baseb- oard 092321335-0016	4" CREAM BASEBOARDS AND WHITE & YELLOW GLUE - ROOM 17 - WEST SIDE NORTH END	Tan Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
23YES-115-10A-Glue 1 092321335-0016A	4" CREAM BASEBOARDS AND WHITE & YELLOW GLUE - ROOM 17 - WEST SIDE NORTH END	White Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
23YES-115-10A-Glue 2 092321335-0016B	4" CREAM BASEBOARDS AND WHITE & YELLOW GLUE - ROOM 17 - WEST SIDE NORTH END	Yellow Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
23YES-115-10A-Paint 1 092321335-0016C	4" CREAM BASEBOARDS AND WHITE & YELLOW GLUE - ROOM 17 - WEST SIDE NORTH END	Red Non-Fibrous Homogeneous		90% Matrix 10% Non-fibrous (Other)	None Detected

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Customer ID: YWEL75

Customer PO: 23YES-115

Project ID:

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
23YES-115-10A-Paint 2 092321335-0016D	4" CREAM BASEBOARDS AND WHITE & YELLOW GLUE - ROOM 17 - WEST SIDE NORTH END	White Non-Fibrous Homogeneous		90% Matrix 10% Non-fibrous (Other)	None Detected
23YES-115-10B-Baseboard 092321335-0017	4" CREAM BASEBOARDS & WHITE GLUE - ROOM 26 - NORTHEAST AREA	Tan Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
23YES-115-10B-Glue 092321335-0017A	4" CREAM BASEBOARDS & WHITE GLUE - ROOM 26 - NORTHEAST AREA	White Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
23YES-115-10C-Baseboard 092321335-0018	4" CREAM BASEBOARDS & WHITE GLUE - INTERCONNECTING HALLWAY OF ROOMS 34 & 34 - EAST SIDE AT DOORWAY	Tan Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
23YES-115-10C-Glue 092321335-0018A	4" CREAM BASEBOARDS & WHITE GLUE - INTERCONNECTING HALLWAY OF ROOMS 34 & 34 - EAST SIDE AT DOORWAY	White Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
23YES-115-10C-Compound 092321335-0018B	4" CREAM BASEBOARDS & WHITE GLUE - INTERCONNECTING HALLWAY OF ROOMS 34 & 34 - EAST SIDE AT DOORWAY	Red Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	None Detected
23YES-115-11A-Baseboard 1 092321335-0019	4" GREY & 3" CREAM BASEBOARDS AND GLUES - ROOM 39A - WEST CENTER AT ENTRY	Tan Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
23YES-115-11A-Baseboard 2 092321335-0019A	4" GREY & 3" CREAM BASEBOARDS AND GLUES - ROOM 39A - WEST CENTER AT ENTRY	Gray Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
23YES-115-11A-Glue 1 092321335-0019B	4" GREY & 3" CREAM BASEBOARDS AND GLUES - ROOM 39A - WEST CENTER AT ENTRY	Tan Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected

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EMSL Order: 092321335
Customer ID: YWEL75
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Project ID:

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
23YES-115-11A-Glue 2 092321335-0019C	4" GREY & 3" CREAM BASEBOARDS AND GLUES - ROOM 39A - WEST CENTER AT ENTRY	White Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
23YES-115-12A-Floor Tile 1 092321335-0020	12" CREAM OATMEAL FLOOR TILE & GLUE OVER FLOOR TILE, BLACK MASTIC & FELT - ROOM 26 - NORTH SIDE UNDER CABINET	Beige Non-Fibrous Homogeneous		20% Ca Carbonate 60% Matrix 20% Non-fibrous (Other)	None Detected
23YES-115-12A-Glue 092321335-0020A	12" CREAM OATMEAL FLOOR TILE & GLUE OVER FLOOR TILE, BLACK MASTIC & FELT - ROOM 26 - NORTH SIDE UNDER CABINET	Tan Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
23YES-115-12A-Mastic 1 092321335-0020B	12" CREAM OATMEAL FLOOR TILE & GLUE OVER FLOOR TILE, BLACK MASTIC & FELT - ROOM 26 - NORTH SIDE UNDER CABINET	Black Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
23YES-115-12A-Floor Tile 2 092321335-0020C	12" CREAM OATMEAL FLOOR TILE & GLUE OVER FLOOR TILE, BLACK MASTIC & FELT - ROOM 26 - NORTH SIDE UNDER CABINET	Tan Non-Fibrous Homogeneous	5% Wollastonite	15% Ca Carbonate 60% Matrix 17% Non-fibrous (Other)	3% Chrysotile
23YES-115-12A-Mastic 2 092321335-0020D	12" CREAM OATMEAL FLOOR TILE & GLUE OVER FLOOR TILE, BLACK MASTIC & FELT - ROOM 26 - NORTH SIDE UNDER CABINET	Black Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
23YES-115-12A-Felt 092321335-0020E	12" CREAM OATMEAL FLOOR TILE & GLUE OVER FLOOR TILE, BLACK MASTIC & FELT - ROOM 26 - NORTH SIDE UNDER CABINET	Black Fibrous Homogeneous	85% Cellulose	10% Matrix 5% Non-fibrous (Other)	None Detected

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Customer ID: YWEL75

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Project ID:

Analyst(s)

Stacy Trinh Le (72)

Cecilia Yu, Laboratory Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc San Leandro, CA NVLAP Lab Code 101048-3, WA C884

Initial report from: 10/03/2023 17:46:33



Attachment C – Consultant & Laboratory Certifications

DEPARTMENT OF INDUSTRIAL RELATIONS

Division of Occupational Safety and Health-Asbestos Certification

1750 Howe Avenue, Suite 460

Sacramento, CA 95825

(916) 574-2993 Office <http://www.dir.ca.gov/dosh/asbestos.html> actu@dir.ca.gov

903034500C

324

326

December 07, 2022

Kristy L Yowell
13708 Carpaccio Lane
Bakersfield CA 93306

Dear Certified Asbestos Consultant or Technician:

Enclosed is your certification card. **To maintain your certification, you must abide by the rules printed on the back of the certification card.**

Your certification is valid for a period of one year. If you wish to renew your certification, you must apply for renewal at least 60 days before the expiration date shown on your card. [8 CCR 341.15(h)(1)].

Please hold and do not send copies of your required AHERA refresher renewal certificates to our office until you apply for renewal of your certification.

Certificates must be kept current if you are actively working as a CAC or CSST. The grace period is only for those who are not actively working as an asbestos consultant or site surveillance technician.

Please contact our office at the above address or email w any changes in your contact/ mailing information within 15 days of the change.

Sincerely,

Eric Berg

Eric Berg
 Deputy Chief of Health

Attachment: Certification Card

cc: File

Renewal – Card Attached





STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH



LEAD-RELATED CONSTRUCTION CERTIFICATE

INDIVIDUAL:	CERTIFICATE TYPE:	NUMBER:	EXPIRATION DATE:
	Lead Inspector/Assessor	LRC-00004640	2/9/2024
	Lead Supervisor	LRC-00004639	2/9/2024

Kristy Yowell

Disclaimer: This document alone should not be relied upon to confirm certification status. Compare the individual’s photo and name to another valid form of government issued photo identification. Verify the individual’s certification status by searching for Lead-Related Construction Professionals at www.cdph.ca.gov/programs/clppb or calling (800) 597-LEAD

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 101048-3

EMSL Analytical, Inc.

San Leandro, CA

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

Asbestos Fiber Analysis

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).*

2023-07-01 through 2024-06-30

Effective Dates



A handwritten signature in blue ink, reading "Dana S. Laman".

For the National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

EMSL Analytical, Inc.

464 McCormick St.
San Leandro, CA 94577
Cecilia Yu
Phone: 510-895-3675
Email: cyu@emsl.com
http://www.emsl.com

ASBESTOS FIBER ANALYSIS

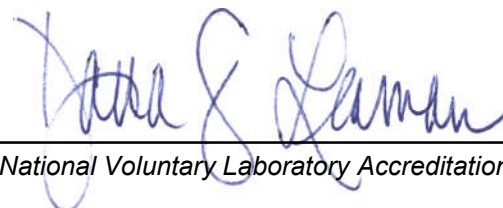
NVLAP LAB CODE 101048-3

Bulk Asbestos Analysis

<u>Code</u>	<u>Description</u>
18/A01	EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

Airborne Asbestos Analysis

<u>Code</u>	<u>Description</u>
18/A02	U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.



For the National Voluntary Laboratory Accreditation Program