

APPENDIX E-4

Gateway Asbestos and LBP Report



September 25, 2015

Mr. Gil Miltenberger
Integral Communities
2235 Encinitas Boulevard, Suite 216
Encinitas, California 92024

**SUBJECT: Asbestos Containing Material and Lead Based Paint Survey Results
Former Escondido Police Station
700 West Grand Avenue
APN 232-100-16-00
City of Escondido
County of San Diego, California 92025
EEI Project No. IPF-72198.1**

Dear Mr. Miltenberger,

As requested, an Asbestos Containing Material (ACM) and Lead-Based Paint (LBP) Survey was completed at the property identified as the former Escondido Police Station, located at 700 West Grand Avenue, in the City of Escondido, California. Samples were collected from the interior, exterior, and roof of the onsite building. Approximately 16,700 square feet of ACM was reported in samples collected from the building. LBP was reported in samples collected from the wall tile within the 1st floor restrooms of the building. Attached is a copy of the report for your records.

Based on the findings of the survey, the identified ACM and LBP will require appropriate removal and disposal by a California licensed ACM/LBP abatement contractor prior to structure demolition. Although EEI does not provide ACM/LBP abatement services, we can provide a proposal for coordinating and managing ACM/LBP removal activities.

If you have any questions or comments please feel free to contact the undersigned at (619) 668-9005.

Sincerely,

EEI

A handwritten signature in blue ink that reads 'Brian R. Brennan'.

Brian R. Brennan
Project Manager

(1) Addressee



-REPORT-
ASBESTOS SAMPLING & LIMITED LEAD TESTING

For
Former Escondido Police Station
700 West Grand Avenue
Escondido, California

Requested by:

Mr. Tim Lester
Environmental Equalizers, Inc.
2195 Faraday Avenue, Ste. K
Carlsbad, California 92008
(760) 473-5695

Prepared by:

Mr. Jay A Yowell
Altec Testing & Engineering, Inc.
6035 Fremont Street
Riverside, California 92504
(951) 352-6510

Sampling Date: September 2, 2015
Altec CP No. 419-2015099

A handwritten signature in black ink, appearing to read "Jay A. Yowell".

Jay A. Yowell
Certified Asbestos Consultant #97-2295
Lead Sampling Technician #7202

A handwritten signature in black ink, appearing to read "Lynn Laborde".

Lynn Laborde
Certified Asbestos Consultant #92-0495
Lead Inspector/Risk Assessor #7203
Lead Project Monitor #7203

TABLE OF CONTENTS

Contents

1.0	INTRODUCTION	3
2.0	ASBESTOS SAMPLING	4
2.1	Overview	4
2.2	Scope of Work.....	4
2.3	Inspectors Qualifications	4
2.4	Sample Summary.....	4
2.5	Asbestos-Containing Materials Identified.....	5
2.6	Underground Cement (Transite) Utilities Pipe.....	6
2.7	Asbestos Definition	6
2.8	Regulatory Overview.....	6
2.9	Sampling Protocol	7
2.10	Laboratory Analysis	8
2.11	Limitations of Inspection	9
2.12	Asbestos Removal	10
3.0	LEAD TESTING	11
3.1	Overview	11
3.2	Scope of Work.....	11
3.3	Inspectors Qualifications	11
3.4	Testing Protocol	12
3.5	Method of Testing	12
3.6	Summary of Positive Lead Results.....	13
3.7	Lead Removal.....	13
3.8	Limitations.....	13

ATTACHMENTS:

- Appendix A – Asbestos Sample Summary Sheets
- Appendix B – Asbestos Analytical Results
- Appendix C – Lead XRF Data Sheets
- Appendix D – Maps of Inspected Structure
- Appendix E – Laboratory Certifications
- Appendix F – RMD LPA-1 XRF Performance Characteristic Sheets
- Appendix G – Inspector Certificates
- Appendix H – CDPH 8552 Form



1.0 INTRODUCTION

Altec Testing & Engineering, Inc. (Altec) performed an asbestos survey and limited testing for lead paint/ceramic tile in the former Escondido Police Station located at 700 Grand Avenue in Escondido, California. The work was performed on September 2, 2015. The specific scope of work was as follows:

1. Perform bulk building material sampling and obtain laboratory analysis for asbestos by Polarized Light Microscopy (PLM)
2. Perform lead paint/coating testing using an x-ray fluorescence (XRF) analyzer

This work was performed exclusively within the scope of work areas in the identified building(s) in order to determine if abatement/mitigation activities are needed prior to the planned demolition/ renovation work.

This work was performed to meet demolition/renovation requirements to comply with regulations enforced by the San Diego Air Pollution Control District (SDAPCD), California Occupational Safety and Health Administration (Cal/OSHA) and California Department of Toxic Substance Control (DTSC). The intent was to identify the quantities of regulated materials that will require special removal and disposal procedures prior to the demolition/renovation efforts. Altec did not perform any environmental site assessments or environmental compliance audits for the property.

The buildings sampled/tested include the following:

- 700 West Grand Ave. – Interior, Exterior & Roof



2.0 ASBESTOS SAMPLING

2.1 Overview

Asbestos is a naturally-occurring mineral fiber that has been used in the manufacture of many different type of building materials. The inhalation of airborne asbestos fibers can cause serious health problems including cancer. The Environmental Protection Agency (EPA) and the Occupational Health and Safety Administration (OSHA) have enacted several laws to protect people from exposure to airborne asbestos fibers. An asbestos survey is the first step in the complicated process of identifying asbestos-containing materials (ACMs) in a building and monitoring the condition as well as its removal and disposal as needed.

2.2 Scope of Work

A survey for asbestos-containing materials (ACM) was performed for the referenced building(s). Altec representative(s) walked the structure and collected representative samples of all accessible suspect ACMs in the scope of work areas. This inspection was conducted as a complete facility survey but due to the inaccessibility of some areas and the existence of wall cavities, hidden suspect ACMs may exist that will only be accessible through demolition. Hidden suspect ACMs may include, but are not limited to: thermal system insulation within wall cavities and plenums.

The objective of this survey was to collect representative samples of suspect ACMs, to assess the condition of the suspect ACMs and to quantify the observed materials. The assessment, sampling and subsequent laboratory sample analysis was conducted in support of the planned demolition/renovation work. Suspect ACMs that were in the scope-of-work areas (as identified by the client) were assessed, quantified, sampled and submitted for analysis for the determination of asbestos content by Polarized Light Microscopy (PLM) using the Environmental Protection Agency (EPA) Methods EPA/600/R-93/116 and EPA/600/M4-82-020.

2.3 Inspectors Qualifications

Jay A. Yowell performed the asbestos survey portion of the work. Jay A. Yowell is a State of California Department of Occupational Safety and Health (DOSH) Certified Asbestos Consultant (CAC #97-2295) and holds current AHERA certifications in: Asbestos Building Inspection; Management Planning; Project Design; and Abatement Supervision.

Personnel certifications are provided as an appendix to this report.

2.4 Sample Summary

Altec collected representative samples of suspect ACMs present including but not limited to floor coverings and associated adhesives, drywall/joint compound or interior plaster, acoustic ceiling textures, acoustic ceiling tiles, baseboard and associated adhesives, window putty, roof coverings, penetration tar and sealants, exterior stucco, thermal system insulation and other insulation materials.



The quantification of the suspect ACMs are estimates made at the time of sampling and should be verified by the contractors bidding the abatement portion of the project to determine exact quantities and the accessibility of the identified ACMs.

The following is a summary of the materials that were determined to be asbestos containing. An entire list of all materials sampled can be found in the sample summary sheets which are provided as an appendix to this report.

Table 1 - Positive Asbestos-Containing Materials

Sample No.	Material Description	Sample Location	Friability	Condition	Qty (SF ¹)	Laboratory Result (% Asbestos Type)
2, 4, 6, 8, 10, 12, 14, 16, 18	Black mastic below the following: carpet, 12” brown vinyl floor tile (VFT), and 12” tan VFT	Throughout 1 st floor	Non-RACM ²	Good	15,000	3% Chrysotile
7, 9, 11	12” brown VFT	1 st floor Southeast storage room & network room	Non-RACM	Good	180	4% Chrysotile
13, 15, 17	12” tan VFT	1 st floor network room	Non-RACM	Good	200	3% Chrysotile
20, 21, 23, 24, 26, 27	12” tan VFT and black mastic	2 nd floor room 256 (below carpet)	Non-RACM	Good	215	3-5% Chrysotile
29, 31, 33	Black mastic	2 nd floor lab (below 12” gray VFT)	Non-RACM	Good	800	5% Chrysotile
38, 40, 42	Black mastic	2 nd floor closet near northwest staircase	Non-RACM	Good	50	5% Chrysotile
43-48	12” tan VFT and black mastic	2 nd floor file room and roof access room	Non-RACM	Good	150	3-5% Chrysotile
105-107	Gray patching/penetration tar	Throughout roof	Non-RACM	Good	100	15% Chrysotile

2.5 Asbestos-Containing Materials Identified

1. Black Mastic

The black mastic located throughout the 1st floor below carpet and various areas on the 2nd floor was reported as asbestos-containing. This material is a category 1 non-friable or Non-RACM. All asbestos containing materials must be removed prior to any renovation or demolition activities that would cause it to become friable or a RACM. The estimated amount of the asbestos-containing mastic present is 16,315 square feet. The abatement contractor shall verify the quantity of materials prior to bid submission.

¹ SF = square feet

² Non-RACM = Non-Regulated Asbestos Containing Material



2. Various Vinyl Floor Tile (VFT)

VFT located in various locations of the 1st and second floors was reported as asbestos-containing. This material is a category 1 non-friable or Non-RACM. All asbestos containing materials must be removed prior to any renovation or demolition activities that would cause it to become friable or a RACM. The estimated amount of the asbestos-containing VFT present is 745 square feet. The abatement contractor shall verify the quantity of materials prior to bid submission.

3. Gray Patching/Penetration Tar

The gray patching/penetration tar located on the roof was reported as asbestos-containing. This material is a category 1 non-friable or Non-RACM. All asbestos containing materials must be removed prior to any renovation or demolition activities that would cause it to become friable or a RACM. The estimated amount of the asbestos-containing gray patching / penetration tar present is 100 square feet. The abatement contractor shall verify the quantity of materials prior to bid submission.

Please see Section 2.12 for additional information on asbestos removal.

2.6 Underground Cement (Transite) Utilities Pipe

Although excavation and/or review of as-built underground utility drawings were not part of this investigation, it should be assumed that Transite™ (asbestos-cement) utility pipes may exist underground. Water delivery and electrical systems often used Transite™ pipe and should be assumed to exist in the subsurface. An investigation targeted at identifying Transite piping should be performed prior to any planned excavation or grading at this site.

2.7 Asbestos Definition

Asbestos is a term used to describe six different naturally occurring mineral fibers found in certain rock formations. Asbestos fibers can be found in relatively low levels nearly everywhere in the environment. Prior to 1980, asbestos mineral fibers were used extensively as matrix components during the manufacturing of building materials and products. Asbestos became a popular building material component due to the strength of the fibers, their resistance to heat and corrosion and their tremendous insulation and acoustic properties. Due to the fibers small size and weight, once airborne (during demolition or after damage), they can remain suspended for many hours. Airborne releases pose a potential exposure condition because the inhalation of airborne asbestos fibers can cause serious health problems including cancer.

2.8 Regulatory Overview

In an effort to summarize California's development of asbestos regulations, it is necessary to briefly describe essential state regulations enacted to identify, control and prevent exposure to toxic chemicals in the business environment. Requirements imposed in 1986 by the State of California within Proposition 65 (Safe Drinking Water and Toxics Enforcement Act) established criteria for the listing and publication of chemicals known to cause cancer or reproductive toxicity. A portion of Proposition 65 imposes prohibitions regarding exposure to regulated



materials, toxins and listed chemicals (of which asbestos is included) without prior warnings to inhabitants of a building by a property owner or property manager.

The EPA has issued an interim final rule revision of its Model Accreditation Plan (MAP) to clarify the types of training requirements necessary for asbestos-related work in schools. California’s Connelly Bill (Assembly Bill 2588 - The Toxics Hot Spots Act) which was passed in 1987 requires that the California Air Resources Board develop a list of toxic air contaminants for which emissions must be reported and regulated. The Connelly Bill extended requirements for notification regarding the location, condition, status, and health risks associated with ACM in areas of public, private and commercial building which are accessible to the building’s occupants. These requirements extend to employees, tenants, maintenance personnel; independent contractors and all other performing work in the building or facility. In 1986, Congress enacted the Asbestos Hazard Emergency Response Act (AHERA or TSCA Title II), which mandated a regulatory program to address asbestos hazards in schools. In 1990, Congress enacted Asbestos School Hazard Abatement Reauthorization Act (ASHARA) that amended AHERA to extend some of the training, accreditation requirements, and sampling protocol to persons performing asbestos-related work in public and commercial building.

The key elements to AHERA/ASHARA regulations require the development of an Operations and Maintenance (O&M) Program if friable ACM (or non-friable ACM which will become friable) is present in a building.

2.9 Sampling Protocol

The sampling protocol established within AHERA (extended to commercial buildings by ASHARA) was used to determine the required number of samples for this survey based on the type, number and location of homogeneous building materials. AHERA protocol was used to determine homogeneous areas of construction in the building. Three forms of asbestos are typically found in buildings: (1) sprayed- or troweled-on surfacing materials, (2) insulation on pipes, boilers and other mechanical equipment, and (3) miscellaneous forms such as floor tile, ceiling tile, roofing materials, wallboards, window glazing, etc. AHERA recommends the collection of a minimum of nine (9) samples for each suspect asbestos-containing material (ACM). However, the minimum numbers of samples required by AHERA for sampling purposes are listed in the following table:

Table 2 - Altec Sampling Protocol

Type of Material	Estimated Quantity	Required Samples
Sprayed or Troweled-on Surfacing Material	>5,000 ft ²	7
Sprayed or Troweled-on Surfacing Material	1,000-5,000 ft ²	5
Sprayed or Troweled-on Surfacing Material	<1,000 ft ²	3
Thermal System Insulation	All Quantities	3
Miscellaneous Materials	All Quantities	3

All suspect ACMs that were observed in the scope of work area were assessed. Other suspect ACMs may exist in the building(s) that were inaccessible at the time of the survey such as but



not limited to thermal system insulation (TSI) flooring materials below sub-floors and Transite pipes. If through demolition or renovation, additional suspect ACMs are discovered further testing may be required to determine the asbestos content prior to any further renovation or demolition activities. If additional quantities of identified ACM are encountered in inaccessible areas during demolition those ACMs should be added to the scope of work for abatement.

Samples of the suspect ACMs included in this survey were collected by the most unobtrusive means possible. When deemed necessary and approved by the Client, destructive sampling methods were employed to collect samples or to confirm location of materials beneath or behind other materials. When practical, buildings are typically surveyed in teams of two inspectors with one person documenting the proceedings of the survey, the other performing bulk sampling and other miscellaneous activities. One individual who then performs all of the survey and sampling tasks often surveys small facilities. The teams or individuals perform a preliminary visual inspection of the property to identify and quantify suspect ACM.

A sampling strategy is then developed to provide representative sampling. Efforts are made to obtain samples from inconspicuous areas thus limiting the damage to surfaces and materials while still providing ample materials for analysis. Bulk samples were removed with a sharp blade that was cleaned between samples. A water mister with amended water was used to wet samples and sample areas. Appropriate health and safety procedures were utilized. Each sample is placed in a plastic bag collection container; the container is sealed, labeled and placed in a larger storage bag. Destructive inspection methods to find concealed asbestos are used only in those areas specified for renovation or demolition, and only to the extent approved by the client. Care is taken to prevent cross-contamination of the collected samples and sampling equipment is cleaned after each sample is obtained. In addition, sample containers are placed directly beneath each sample location, when feasible, to collect any materials which may become dislodged during the sampling process. Any debris generated by the sampling is cleaned by wet-cleaning methods or by vacuuming utilizing a High Efficiency Particulate Air (HEPA) filter. Visible emissions to the outside were not permitted during the sampling, packaging, transportation, or disposal of the samples. Samples are documented by entering the sample data on hazard assessment sheets. The field number that is assigned to the collection bag at the time of sampling consists of the Altec Client Project (CP) number and the sample number or the Task number and sample number. The recorded information includes a description of the material, sample number, location, condition, accessibility, friability, damage potential, and quantity of homogeneous materials that that sample represents.

2.10 Laboratory Analysis

QuanTEM Laboratories (2033 Heritage Park Drive, Oklahoma City, OK) analyzed the collected bulk samples for asbestos by Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Method 600. QuanTEM is accredited to perform this analysis. This accreditation is provided by the United States Department of Commerce, National Institute of Standards and Technology's (NIST) National Voluntary Laboratory Accreditation Program (NVLAP).



The PLM method outlines two quantification techniques. The first, and most widely employed is the visual estimate which works well for most sample types. The second type of quantification technique is the point count. It is less subjective than the standard visual estimate which makes it more labor intense to perform. It is an important technique especially for materials with trace asbestos concentrations based on the visual estimate method. Both the accuracy and precision are improved with point counting, and the more points analyzed the better the accuracy and precision of the method.

Bulk samples were initially visually examined under stereoscopic microscopes at a magnification of 8X to 50X. Stereoscopic observations of each sample were made and the results were recorded. Portions of each sample were immersed in a fluid with a known refractive index. The sample was visually examined under polarized light using microscopes with a McCrone Dispersion Staining Objective. Optical characteristics of the fibrous material were examined to determine the mineralogy of the fiber. The observed optical characteristics include angle of extinction, sign of elongation and dispersion staining colors. Asbestos fiber content is estimated by optically comparing the quantity of non-asbestos material to asbestos fibers. The lower limit of reliable detection using PLM is 1%. Samples that contain more than 1% asbestos are reported in percent ranges. Samples that contain asbestos in a concentration lower than the limit of reliable detection (less than 1%) are reported as “trace” or “<1%”. Samples in which no asbestos is observed are reported as "None Detected" or “ND”. Samples that are reported as trace or containing between one and ten (1-10%) asbestos are typically recommended for “point count” analysis. The 1000 point count is used mostly in the state of California where the benchmark for determining if a material is asbestos-containing is 0.1%.

No point count analysis was performed on this project.

2.11 Limitations of Inspection

The work that was performed during this inspection was done at the request of the client or the client’s representative. The investigation was done so in a non-destructive manner. No repairs of the materials sampled were performed. Prior to actual demolition when the structures have been vacated another inspection should be conducted to insure that there are no additional suspect ACMs present.

As previously mentioned, suspect ACMs may exist in inaccessible or hidden areas of the building(s) and these materials may not have been identified or sampled such as but not limited to thermal system insulation (TSI) flooring materials below sub-floors and Transite™ pipes. The quantifications of the suspect ACMs are estimates made at the time of sampling and should be verified by perspective asbestos abatement contractors to determine exact quantities and the accessibility of the specific materials.

The opinions and conclusions presented here are based on field observations and are consistent with practices and actions of consulting professionals in the asbestos and industrial hygiene fields.



2.12 Asbestos Removal

Any regulated ACMs present in or on the building(s) that will be impacted by any planned renovation/demolition activities must be properly removed or controlled by a registered and licensed asbestos contractor before any general renovation/demolition work begins. Licensed asbestos abatement contractors with the proper bonding and experience in similar asbestos projects must perform all work involving the removal of asbestos-containing materials.

A variety of federal, state and local regulations govern the way building owners must deal with ACMs in their facilities. State and local regulations may be more stringent than federal standards and can change periodically. The management and removal of asbestos in schools, commercial and public buildings is regulated by many different agencies under several different laws. The following is a listing of laws pertaining to asbestos sampling, assessment, management, removal, transportation and disposal.

- OSHA Construction Industry Standard for Asbestos (29 CFR 1926.1101)
- OSHA General Industry Asbestos Standard (29 CFR 1910.1001)
- OSHA Respiratory Protection Standard (29 CFR 1910.134)
- Cal/OSHA Title 8 Section 1529 Asbestos
- EPA's Worker Protection Rule (40 CFR 763 Subpart G)
- EPA National Emission Standard for Hazardous Air Pollutants (NESHAP) (40 CFR 61 Subpart M)
- EPA Asbestos Hazard Emergency Response Act (AHERA) Regulations (40 CFR 763 Subpart E)
- EPA Asbestos Ban and Phase out Rule (40 CFR 763 Subpart I)
- State of California - Connelly Bill (AB 2588 - The Toxics Hot Spots Act of 1987)
- State of California - Proposition 65 (Safe Drinking Water and Toxics Enforcement Act of 1986)
- Applicable California Air Resources Board (CARB) Regulations

Compliance with regulatory agencies must be maintained in order to avoid legal liability from exposure to workers and the environment.



3.0 LEAD TESTING

3.1 Overview

Lead in painted and/or coated materials can cause potential health problems for occupants. Lead is highly toxic and exposure to it can affect every system of the human body, it is often found in painted and coated surfaces. The groups most at risk to lead exposure are fetuses, infants and children under the age of 6; however, older children and adults also suffer severe damage from lead exposures. Most lead-poisoned children are exposed in their homes. At high levels, exposure to lead can cause death. At low levels, lead exposure affects children's developing brains and nervous systems, causing reductions in IQ, attention span, learning disabilities, hyperactivity and behavioral problems. The vast majority of childhood lead poisoning cases go undiagnosed and untreated because most poisoned children have no "obvious" symptoms. Most exposures occur through typical hand to mouth contact (ingestion) from lead dust accumulations on floors, window sills and/or from contaminated soil in play areas. Performing a lead inspection (or a lead risk assessment) and correcting lead hazards are essential steps in maintaining a lead safe space.

3.2 Scope of Work

Limited lead testing was performed on the scope of work areas. The testing was performed to identify components containing lead above the established action level or threshold (1.0 milligram per square centimeter (mg/cm²)) that could be impacted during renovation/demolition activities and to document the current condition of the lead paint. Ceramic tile was also tested to identify the presence of lead in the glazing.

Altec performed surface-by-surface testing that was not in compliance with the United States (U.S.) Department of Housing and Urban Development (HUD) Housing and U.S. Environmental Protection Agency (EPA) guidelines established within 40 CFR Part 745 and Title X - The Residential Lead-Based Paint Hazard Reduction Act of 1992. These guidelines were established for residential structures. The structures will be demolished.

3.3 Inspectors Qualifications

Jay A. Yowell performed the lead testing. He has completed an EPA and State of California Department of Public Health (CDPH) approved curriculum in Lead in Construction Inspector/Risk Assessor and Sampling Technician Training. He is certified by the State of California as a Lead in Construction Sampling Technician (#T-7202) and works under the direction of Lynn Laborde. Lynn Laborde has completed an EPA and CDPH approved curriculum in Lead in Construction Inspector/Risk Assessor and Project Monitor Training. She is certified by the State of California as a Lead in Construction Inspector/Risk Assessor and Project Monitor (#I/M-7203).

Personnel certifications are provided as an appendix to this report.



3.4 Testing Protocol

The lead testing was patterned after the inspection protocol in Chapter 7 of HUD's Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing. However, the extent of the survey and the number of components/testing combinations was limited to only components and painted surfaces in the scope of work areas. Altec used an x-ray fluorescence (XRF) analyzer to test the painted or coated building component (called testing combinations by HUD). The action level used for testing purposes is 1.0 mg/cm².

Painted surfaces with XRF readings of 1.0 mg/cm² or above are considered positive (Lead). Painted surfaces with XRF readings of 0.9 mg/cm² or lower are considered negative (Not Lead). It must be understood that painted/coated materials that contain lead at concentrations of 0.9 mg/cm² or less still contain some amounts of lead, but these amounts have been determined to be safe by EPA and HUD.

Individual XRF readings are recorded on XRF Data Sheets. Any future changes in action levels by regulating agencies may affect the classification of results. If such action level changes occur the XRF results can be reinterpreted and new classifications can be made. No additional XRF testing is necessary.

HUD and EPA recommend that lead concentrations be reported in mg/cm², which essentially is a recommendation for the use of XRF analyzers. The reasoning behind their recommendation is that the results reported in mg/cm² do not change based on the number of layers of non-lead paint or coatings present at the test location. Results reported in parts per million or weight percent change depending on the number of layers of non-lead paint/coating and based on how much, if any, substrate is removed and included within the sample. In addition, XRF results can usually be obtained without damaging the painted/coated surface.

3.5 Method of Testing

In accordance with the HUD and EPA recommendations, lead testing was performed using an XRF analyzer. The specific unit used was a RMD LPA-1 and its Performance Characteristic Sheet (PCS) is provided as an appendix to this report. The device was operated in accordance with the manufacturer's instructions in addition to the procedures described in Chapter 7 of the HUD Guidelines. The unit was operated in the Lead-In-Paint K&L Variable Reading Time Mode. The exposure duration required for each result was based on the actual reading relative to the designated action level, the age of the radioactive source and the substrate on which the reading was taken. When using the an XRF analyzer in the Lead-In-Paint K&L Variable Reading Time Mode, substrate corrections are not necessary if the readings are taken on brick, concrete, drywall, metal, plaster, stucco or wood.

The XRF device's calibration was verified according to the manufacturer's specifications in compliance with the Performance Characteristic Sheet (PCS) developed and approved for the specific instrument.



Altec performed field calibration checks at the beginning of the inspection, at least once per 4 hours of inspection work and once again before the XRF analyzer was turned off or was moved to a second inspection location. A calibration check consists of three or more readings taken using NIST Standard Reference Material (SRM) with paint film having a lead concentration nearest to 1.0 mg/cm².

Readings from the instrument produce a 95% confidence level that the reading accurately reflects the actual concentration of lead in the tested surfaces, relative to the 1.0 mg/cm² action level.

3.6 Summary of Positive Lead Results

The following components were found to be above 1.0 mg/cm² when tested using the XRF analyzer and are considered lead containing. A complete list of all test locations can be found in the XRF data sheets which are provided as an appendix to this report.

Table 3 - Positive Lead Paint/Coating Results

XRF Test No.	Location	Component	Top Color	Substrate	Condition	Result (mg/cm ²)
8	1 st Floor Restrooms	Wall Tile	White	Tile	Intact	>9.9

3.7 Lead Removal

Any planned demolition/renovation activities that will impact lead components must be performed by certified/qualified representatives in compliance with EPA and DOSH rules and regulations. All lead coated components that are deteriorated or peeling should be stabilized in accordance with all applicable regulations prior to demolition work. A contractor who is trained and holds licenses and insurance in this field of hazardous materials remediation should conduct any lead related removal work. Exposure assessments and air monitoring should be conducted in the initial phases of any lead abatement to determine the amount of personal protection required by workers. All damaged loose and flaky lead will require removal prior to demolition activities. Lead components will need to be properly packaged and characterized utilizing TTLC, STLC and TCLP laboratory analysis as necessary to determine disposal requirements.

3.8 Limitations

This inspection was planned and performed in accordance with Altec training and experience in performing lead inspections. The inspection was performed to support renovation or demolition of the building(s). It was NOT performed in accordance with Chapter 7 of the HUD Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing. Altec’s evaluation of the relative risk of exposure to lead identified in this survey is based solely on the conditions observed at the time of the site visit. This project included limited lead testing and not a lead risk assessment. Altec cannot be held responsible for changing conditions that may alter the condition of the lead component surfaces after the time of the testing or in changes in accepted protocol, methodology or action levels.



Appendix A – Asbestos Sample Summary Sheets



Asbestos Survey Summary Information

E E I

Bldg/Floor Date Sampled	Grid Location Lin. Ft Sq. Ft	Sample # Task Number	Sample Type Assessment Area	Classification	% Asbestos Haz Ass Rate
700/1 9/2/2015	W. GRAND N / A UNQ	001 2015099	YELLOW CARPET GLUE THROUGHOUT FIRST FLOOR	NON I	ND -1
700/1 9/2/2015	W. GRAND N / A 15,000	002 2015099	BLACK MASTIC THROUGHOUT FIRST FLOOR	NON I	3 9
700/1 9/2/2015	W. GRAND N / A UNQ	003 2015099	YELLOW CARPET GLUE THROUGHOUT FIRST FLOOR	NON I	ND -1
700/1 9/2/2015	W. GRAND N / A 15,000	004 2015099	BLACK MASTIC THROUGHOUT FIRST FLOOR	NON I	3 9
700/1 9/2/2015	W. GRAND N / A UNQ	005 2015099	YELLOW CARPET GLUE THROUGHOUT FIRST FLOOR	NON I	ND -1
700/1 9/2/2015	W. GRAND N / A 15,000	006 2015099	BLACK MASTIC THROUGHOUT FIRST FLOOR	NON I	3 9
700/1 9/2/2015	W. GRAND N / A 180	007 2015099	BROWN VINYL FLOOR TILE SOUTHEAST STORAGE ROOM	NON I	3 13
700/1 9/2/2015	W. GRAND N / A 15,000	008 2015099	BLACK MASTIC SOUTHEAST STORAGE ROOM	NON I	5 9
700/1 9/2/2015	W. GRAND N / A 180	009 2015099	BROWN VINYL FLOOR TILE SOUTHEAST STORAGE ROOM	NON I	3 13
700/1 9/2/2015	W. GRAND N / A 15,000	010 2015099	BLACK MASTIC SOUTHEAST STORAGE ROOM	NON I	4 9
700/1 9/2/2015	W. GRAND N / A 80	011 2015099	BROWN VINYL FLOOR TILE NETWORK ROOM	NON I	3 13
700/1 9/2/2015	W. GRAND N / A 15,000	012 2015099	BLACK MASTIC NETWORK ROOM	NON I	3 9
700/1 9/2/2015	W. GRAND N / A 200	013 2015099	TAN VINYL FLOOR TILE NETWORK ROOM	NON I	3 13
700/1 9/2/2015	W. GRAND N / A 15,000	014 2015099	BLACK MASTIC NETWORK ROOM	NON I	5 9
700/1 9/2/2015	W. GRAND N / A 200	015 2015099	TAN VINYL FLOOR TILE NETWORK ROOM	NON I	3 13
700/1 9/2/2015	W. GRAND N / A 15,000	016 2015099	BLACK MASTIC NETWORK ROOM	NON I	5 9
700/1 9/2/2015	W. GRAND N / A 200	017 2015099	TAN VINYL FLOOR TILE NETWORK ROOM	NON I	3 13
700/1 9/2/2015	W. GRAND N / A 15,000	018 2015099	BLACK MASTIC NETWORK ROOM	NON I	5 9
700/2 9/2/2015	W. GRAND N / A UNQ	019 2015099	YELLOW CARPET GLUE ROOM 256	NON I	ND -1

E E I

Bldg/Floor Date Sampled	Grid Location Lin. Ft Sq. Ft	Sample # Task Number	Sample Type Assessment Area	Classification	% Asbestos Haz Ass Rate
700/2 9/2/2015	W. GRAND N / A 215	020 2015099	VINYL FLOOR TILE ROOM 256	NON I	3 9
700/2 9/2/2015	W. GRAND N / A 215	021 2015099	BLACK MASTIC ROOM 256	NON I	5 9
700/2 9/2/2015	W. GRAND N / A UNQ	022 2015099	YELLOW CARPET GLUE ROOM 256	NON I	ND -1
700/2 9/2/2015	W. GRAND N / A 215	023 2015099	VINYL FLOOR TILE ROOM 256	NON I	3 9
700/2 9/2/2015	W. GRAND N / A 215	024 2015099	BLACK MASTIC ROOM 256	NON I	5 9
700/2 9/2/2015	W. GRAND N / A UNQ	025 2015099	YELLOW CARPET GLUE ROOM 256	NON I	ND -1
700/2 9/2/2015	W. GRAND N / A 215	026 2015099	VINYL FLOOR TILE ROOM 256	NON I	3 9
700/2 9/2/2015	W. GRAND N / A UNQ	027 2015099	BLACK MASTIC ROOM 256	NON I	5 9
700/2 9/2/2015	W. GRAND N / A 800	028 2015099	GRAY VINYL FLOOR TILE LAB	NON I	ND -1
700/2 9/2/2015	W. GRAND N / A 800	029 2015099	BLACK MASTIC LAB	NON I	5 9
700/2 9/2/2015	W. GRAND N / A 800	030 2015099	GRAY VINYL FLOOR TILE LAB	NON I	ND -1
700/2 9/2/2015	W. GRAND N / A 800	031 2015099	BLACK MASTIC LAB	NON I	5 9
700/2 9/2/2015	W. GRAND N / A 800	032 2015099	GRAY VINYL FLOOR TILE LAB	NON I	ND -1
700/2 9/2/2015	W. GRAND N / A 800	033 2015099	BLACK MASTIC LAB	NON I	5 9
700/2 9/2/2015	W. GRAND N / A 50	034 2015099	GRAY RSF LAB	NON II	ND -1
700/2 9/2/2015	W. GRAND N / A 50	034A 2015099	YELLOW MASTIC LAB	NON II	ND -1
700/2 9/2/2015	W. GRAND N / A 50	035 2015099	GRAY RSF LAB	NON II	ND -1
700/2 9/2/2015	W. GRAND N / A 50	035A 2015099	YELLOW MASTIC LAB	NON II	ND -1
700/2 9/2/2015	W. GRAND N / A 50	035B 2015099	GRAY LEVELING COMPOUND LAB	NON II	ND -1
700/2 9/2/2015	W. GRAND N / A 50	036 2015099	GRAY RSF LAB	NON II	ND -1

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Bldg/Floor Date Sampled	Grid Location Lin. Ft Sq. Ft	Sample # Task Number	Sample Type Assessment Area	Classification	% Asbestos Haz Ass Rate
700/2 9/2/2015	W. GRAND N / A 50	036A 2015099	YELLOW MASTIC LAB	NON II	ND -1
700/2 9/2/2015	W. GRAND N / A 50	036B 2015099	GRAY LEVELING COMPOUND LAB	NON II	ND -1
700/2 9/2/2015	W. GRAND N / A 50	037 2015099	BLUE VINYL FLOOR TILE CLOSET NEAR NW	NON I	ND -1
700/2 9/2/2015	W. GRAND N / A 50	038 2015099	BLACK MASTIC CLOSET NEAR NW	NON I	5 9
700/2 9/2/2015	W. GRAND N / A 50	039 2015099	BLUE VINYL FLOOR TILE CLOSET NEAR NW	NON I	ND -1
700/2 9/2/2015	W. GRAND N / A 50	040 2015099	BLACK MASTIC CLOSET NEAR NW	NON I	5 9
700/2 9/2/2015	W. GRAND N / A 50	041 2015099	BLUE VINYL FLOOR TILE CLOSET NEAR NW	NON I	ND -1
700/2 9/2/2015	W. GRAND N / A 50	042 2015099	BLACK MASTIC CLOSET NEAR NW	NON I	5 9
700/2 9/2/2015	W. GRAND N / A 150	043 2015099	TAN VINYL FLOOR TILE FILE ROOM	NON I	3 13
700/2 9/2/2015	W. GRAND N / A 150	044 2015099	BLACK MASTIC FILE ROOM	NON I	5 9
700/2 9/2/2015	W. GRAND N / A 150	045 2015099	TAN VINYL FLOOR TILE ROOF ACCESS ROOM	NON I	3 13
700/2 9/2/2015	W. GRAND N / A 150	046 2015099	BLACK MASTIC ROOF ACCESS ROOM	NON I	5 9
700/2 9/2/2015	W. GRAND N / A 150	047 2015099	TAN VINYL FLOOR TILE ROOF ACCESS ROOM	NON I	3 13
700/2 9/2/2015	W. GRAND N / A 150	048 2015099	BLACK MASTIC ROOF ACCESS ROOM	NON I	5 9
700/2 9/2/2015	W. GRAND N / A UNQ	049 2015099	WHITE HVAC DUCT TAPE MECHANICAL ROOM	NON II	ND -1
700/2 9/2/2015	W. GRAND N / A UNQ	050 2015099	WHITE HVAC DUCT TAPE MECHANICAL ROOM	NON II	ND -1
700/2 9/2/2015	W. GRAND N / A UNQ	051 2015099	WHITE HVAC DUCT TAPE MECHANICAL ROOM	NON II	ND -1
700/2 9/2/2015	W. GRAND N / A UNQ	052 2015099	DRYWALL/JOINT COMPOUND THROUGHOUT	NON II	ND -1
700/2 9/2/2015	W. GRAND N / A UNQ	052A 2015099	WHITE SHEETROCK THROUGHOUT	NON II	ND -1
700/2 9/2/2015	W. GRAND N / A UNQ	053 2015099	DRYWALL/JOINT COMPOUND THROUGHOUT	NON II	ND -1

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Bldg/Floor Date Sampled	Grid Location		Sample # Task Number	Sample Type		Classification	% Asbestos	
	Lin. Ft	Sq. Ft		Assessment	Area		Haz	Ass Rate
700/2 9/2/2015	W. GRAND N / A	UNQ	053A 2015099	WHITE SHEETROCK THROUGHOUT		NON II	ND -1	
700/2 9/2/2015	W. GRAND N / A	UNQ	054 2015099	DRYWALL/JOINT COMPOUND THROUGHOUT		NON II	ND -1	
700/2 9/2/2015	W. GRAND N / A	UNQ	054A 2015099	WHITE SHEETROCK THROUGHOUT		NON II	ND -1	
700/2 9/2/2015	W. GRAND N / A	UNQ	055 2015099	DRYWALL/JOINT COMPOUND THROUGHOUT		NON II	ND -1	
700/2 9/2/2015	W. GRAND N / A	UNQ	055A 2015099	WHITE SHEETROCK THROUGHOUT		NON II	ND -1	
700/1 9/2/2015	W. GRAND N / A	UNQ	056 2015099	DRYWALL/JOINT COMPOUND THROUGHOUT		NON II	ND -1	
700/1 9/2/2015	W. GRAND N / A	UNQ	056A 2015099	WHITE SHEETROCK THROUGHOUT		NON II	ND -1	
700/1 9/2/2015	W. GRAND N / A	UNQ	057 2015099	DRYWALL/JOINT COMPOUND THROUGHOUT		NON II	ND -1	
700/1 9/2/2015	W. GRAND N / A	UNQ	057A 2015099	WHITE SHEETROCK THROUGHOUT		NON II	ND -1	
700/1 9/2/2015	W. GRAND N / A	UNQ	058 2015099	DRYWALL/JOINT COMPOUND THROUGHOUT		NON II	ND -1	
700/2 9/2/2015	W. GRAND N / A	UNQ	059 2015099	CREAM/BRN COVE BASE ADHESIVE THROUGHOUT		NON I	ND -1	
700/2 9/2/2015	W. GRAND N / A	UNQ	060 2015099	CREAM/BRN COVE BASE ADHESIVE THROUGHOUT		NON I	ND -1	
700/2 9/2/2015	W. GRAND N / A	UNQ	061 2015099	CREAM/BRN COVE BASE ADHESIVE THROUGHOUT		NON I	ND -1	
700/2 9/2/2015	W. GRAND N / A	500	062 2015099	WHITE CEILING TILE CHIEF'S OFFICE		FRIABLE	ND -1	
700/2 9/2/2015	W. GRAND N / A	500	063 2015099	WHITE CEILING TILE CHIEF'S OFFICE		FRIABLE	ND -1	
700/2 9/2/2015	W. GRAND N / A	50	064 2015099	WHITE CEILING TILE CHIEF'S OFFICE		FRIABLE	ND -1	
700/2 9/2/2015	W. GRAND N / A	UNQ	065 2015099	CEILING TILE THROUGHOUT		FRIABLE	ND -1	
700/2 9/2/2015	W. GRAND N / A	UNQ	066 2015099	CEILING TILE THROUGHOUT		FRIABLE	ND -1	
700/2 9/2/2015	W. GRAND N / A	UNQ	067 2015099	CEILING TILE THROUGHOUT		FRIABLE	ND -1	
700/1 9/2/2015	W. GRAND N / A	80	068 2015099	CREAM PEEL/STICK TILE BATHROOM		NON I	ND -1	

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Bldg/Floor Date Sampled	Grid Location		Sample # Task Number	Sample Type		Classification	% Asbestos Haz Ass Rate
	Lin. Ft	Sq. Ft		Assessment	Area		
700/1 9/2/2015	W. GRAND N / A	60	069 2015099	CREAM PEEL/STICK TILE KITCHEN AREA		NON I	ND -1
700/1 9/2/2015	W. GRAND N / A	60	070 2015099	CREAM PEEL/STICK TILE KITCHEN AREA		NON I	ND -1
700/1 9/2/2015	W. GRAND N / A	8	071 2015099	BLUE RSF BELOW DRINKING		NON II	ND -1
700/1 9/2/2015	W. GRAND N / A	8	072 2015099	YELLOW ADHESIVE BELOW DRINKING		NON II	ND -1
700/1 9/2/2015	W. GRAND N / A	8	073 2015099	BLUE RSF BELOW DRINKING		NON II	ND -1
700/1 9/2/2015	W. GRAND N / A	8	074 2015099	YELLOW ADHESIVE BELOW DRINKING		NON II	ND -1
700/1 9/2/2015	W. GRAND N / A	8	075 2015099	BLUE RSF BELOW DRINKING		NON II	ND -1
700/1 9/2/2015	W. GRAND N / A	8	076 2015099	YELLOW ADHESIVE BELOW DRINKING		NON II	ND -1
700/1 9/2/2015	W. GRAND N / A	UNQ	077 2015099	CEILING TILE THROUGHOUT		FRIABLE	ND -1
700/1 9/2/2015	W. GRAND N / A	UNQ	078 2015099	CEILING TILE THROUGHOUT		FRIABLE	ND -1
700/1 9/2/2015	W. GRAND N / A	UNQ	079 2015099	CEILING TILE THROUGHOUT		FRIABLE	ND -1
700/1 9/2/2015	W. GRAND N / A	UNQ	080 2015099	BROWN COVE BASE ADHESIVE THROUGHOUT		NON I	ND -1
700/1 9/2/2015	W. GRAND N / A	UNQ	081 2015099	BROWN COVE BASE ADHESIVE THROUGHOUT		NON I	ND -1
700/1 9/2/2015	W. GRAND N / A	UNQ	082 2015099	BROWN COVE BASE ADHESIVE THROUGHOUT		NON I	ND -1
700/1 9/2/2015	W. GRAND N / A	UNQ	083 2015099	HVAC JACKET MECHANICAL ROOMS		NON II	ND -1
700/1 9/2/2015	W. GRAND N / A	UNQ	084 2015099	HVAC JACKET MECHANICAL ROOMS		NON II	ND -1
700/2 9/2/2015	W. GRAND N / A	UNQ	085 2015099	HVAC JACKET MECHANICAL ROOMS		NON II	ND -1
700/1 9/2/2015	W. GRAND N / A	UNQ	086 2015099	BLACK WATERPROOFING EXTERIOR PLANTERS		NON I	ND -1
700/1 9/2/2015	W. GRAND N / A	UNQ	087 2015099	BLACK WATERPROOFING EXTERIOR PLANTERS		NON I	ND -1
700/1 9/2/2015	W. GRAND N / A	UNQ	088 2015099	BLACK WATERPROOFING EXTERIOR PLANTERS		NON I	ND -1

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Bldg/Floor Date Sampled	Grid Location		Sample # Task Number	Sample Type		Classification	% Asbestos Haz Ass Rate
	Lin. Ft	Sq. Ft		Assessment	Area		
700/1 9/2/2015	W. GRAND N / A	UNQ	089 2015099	WHITE EXTERIOR STUCCO THROUGHOUT		NON II	ND -1
700/1 9/2/2015	W. GRAND N / A	UNQ	089A 2015099	GRAY EXTERIOR STUCCO THROUGHOUT		NON II	ND -1
700/1 9/2/2015	W. GRAND N / A	UNQ	090 2015099	WHITE EXTERIOR STUCCO THROUGHOUT		NON II	ND -1
700/1 9/2/2015	W. GRAND N / A	UNQ	090A 2015099	GRAY EXTERIOR STUCCO THROUGHOUT		NON II	ND -1
700/1 9/2/2015	W. GRAND N / A	UNQ	091 2015099	WHITE EXTERIOR STUCCO THROUGHOUT		NON II	ND -1
700/1 9/2/2015	W. GRAND N / A	UNQ	091A 2015099	GRAY EXTERIOR STUCCO THROUGHOUT		NON II	ND -1
700/1 9/2/2015	W. GRAND N / A	UNQ	092 2015099	WHITE EXTERIOR STUCCO THROUGHOUT		NON II	ND -1
700/1 9/2/2015	W. GRAND N / A	UNQ	092A 2015099	GRAY EXTERIOR STUCCO THROUGHOUT		NON II	ND -1
700/1 9/2/2015	W. GRAND N / A	UNQ	093 2015099	TAN EXTERIOR STUCCO THROUGHOUT		NON II	ND -1
700/1 9/2/2015	W. GRAND N / A	UNQ	094 2015099	TAN EXTERIOR STUCCO THROUGHOUT		NON II	ND -1
700/1 9/2/2015	W. GRAND N / A	UNQ	095 2015099	TAN EXTERIOR STUCCO THROUGHOUT		NON II	ND -1
700/R 9/2/2015	W. GRAND N / A	1,000	096 2015099	PARAPET WALL COMPOSITE ROOF		NON I	ND -1
700/R 9/2/2015	W. GRAND N / A	1,000	097 2015099	PARAPET WALL COMPOSITE ROOF		NON I	ND -1
700/R 9/2/2015	W. GRAND N / A	1,000	098 2015099	PARAPET WALL COMPOSITE ROOF		NON I	ND -1
700/R 9/2/2015	W. GRAND N / A	20,000	099 2015099	ROLLED CAP SHEET COMPOSITE ROOF		NON I	ND -1
700/R 9/2/2015	W. GRAND N / A	20,000	100 2015099	ROLLED CAP SHEET COMPOSITE ROOF		NON I	ND -1
700/R 9/2/2015	W. GRAND N / A	20,000	101 2015099	ROLLED CAP SHEET COMPOSITE ROOF		NON I	ND -1
700/R 9/2/2015	W. GRAND N / A	200	102 2015099	PITCH POCKET ROOF		NON I	ND -1
700/R 9/2/2015	W. GRAND N / A	200	103 2015099	PITCH POCKET ROOF		NON I	ND -1
700/R 9/2/2015	W. GRAND N / A	200	104 2015099	PITCH POCKET ROOF		NON I	ND -1

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Bldg/Floor Date Sampled	Grid Location Lin. Ft Sq. Ft	Sample # Task Number	Sample Type Assessment Area	Classification	% Asbestos Haz Ass Rate
700/R 9/2/2015	W. GRAND N / A 100	105 2015099	PATCHING TAR ROOF	NON I	15 13
700/R 9/2/2015	W. GRAND N / A 100	106 2015099	PATCHING TAR ROOF	NON I	15 13
700/R 9/2/2015	W. GRAND N / A 100	107 2015099	PATCHING TAR ROOF	NON I	15 13

Appendix B – Asbestos Analytical Results





2033 HERITAGE PARK DR, OKLAHOMA CITY, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 254439	Client: Altec Testing & Engineering, Inc.
Account Number: A984	6035 Fremont
	Riverside, CA 92504
Date Received: 09/04/2015	
Received By: Judy Rowan	
Date Analyzed: 09/11/2015	Project: Former Police Dept
Analyzed By: Dee Ammerman	Project Location: 700 Grand Escondido, CA
Methodology: EPA/600/R-93/116	Project Number: 419-2015099

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	419-2015099-1	Homogeneous	Yellow Mastic	Asbestos Not Present	NA	Glue
002	419-2015099-2	Homogeneous	Black Mastic	Asbestos Present Chrysotile 3	NA	Tar
003	419-2015099-3	Homogeneous	Yellow Mastic	Asbestos Not Present	NA	Glue
004	419-2015099-4	Homogeneous	Black Mastic	Asbestos Present Chrysotile 3	NA	Tar
005	419-2015099-5	Homogeneous	Yellow Mastic	Asbestos Not Present	NA	Glue
006	419-2015099-6	Homogeneous	Black Mastic	Asbestos Present Chrysotile 3	NA	Tar
007	419-2015099-7	Homogeneous	Brown Floor Tile	Asbestos Present Chrysotile 3	NA	CaCO3 Vinyl

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Quantem is a NVLAP accredited PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP or any agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.



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Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 254439	Client: Altec Testing & Engineering, Inc.
Account Number: A984	6035 Fremont
	Riverside, CA 92504
Date Received: 09/04/2015	
Received By: Judy Rowan	
Date Analyzed: 09/11/2015	Project: Former Police Dept
Analyzed By: Dee Ammerman	Project Location: 700 Grand Escondido, CA
Methodology: EPA/600/R-93/116	Project Number: 419-2015099

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	419-2015099-8	Homogeneous	Black Mastic	Asbestos Present Chrysotile 5	NA	Tar
009	419-2015099-9	Homogeneous	Brown Floor Tile	Asbestos Present Chrysotile 3	NA	CaCO3 Vinyl
010	419-2015099-10	Homogeneous	Black Mastic	Asbestos Present Chrysotile 4	NA	Tar
011	419-2015099-11	Homogeneous	Brown Floor Tile	Asbestos Present Chrysotile 3	NA	CaCO3 Vinyl
012	419-2015099-12	Homogeneous	Black/Yellow Mastic	Asbestos Present Chrysotile 3	NA	Tar Glue
013	419-2015099-13	Homogeneous	Tan Floor Tile	Asbestos Present Chrysotile 3	NA	CaCO3 Vinyl

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 254439	Client: Altec Testing & Engineering, Inc.
Account Number: A984	6035 Fremont
	Riverside, CA 92504
Date Received: 09/04/2015	
Received By: Judy Rowan	
Date Analyzed: 09/11/2015	Project: Former Police Dept
Analyzed By: Dee Ammerman	Project Location: 700 Grand Escondido, CA
Methodology: EPA/600/R-93/116	Project Number: 419-2015099

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
014	419-2015099-14	Homogeneous	Black Mastic	Asbestos Present Chrysotile 5	NA	Tar
015	419-2015099-15	Homogeneous	Tan Floor Tile	Asbestos Present Chrysotile 3	NA	CaCO3 Vinyl
016	419-2015099-16	Homogeneous	Black Mastic	Asbestos Present Chrysotile 5	NA	Tar
017	419-2015099-17	Homogeneous	Tan Floor Tile	Asbestos Present Chrysotile 3	NA	CaCO3 Vinyl
018	419-2015099-18	Homogeneous	Black Mastic	Asbestos Present Chrysotile 5	NA	Tar
019	419-2015099-19	Homogeneous	Yellow Mastic	Asbestos Not Present	NA	Glue
020	419-2015099-20	Homogeneous	Tan Floor Tile	Asbestos Present Chrysotile 3	NA	Tar

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 254439	Client: Altec Testing & Engineering, Inc.
Account Number: A984	6035 Fremont
	Riverside, CA 92504
Date Received: 09/04/2015	
Received By: Judy Rowan	
Date Analyzed: 09/11/2015	Project: Former Police Dept
Analyzed By: Dee Ammerman	Project Location: 700 Grand Escondido, CA
Methodology: EPA/600/R-93/116	Project Number: 419-2015099

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
021	419-2015099-21	Homogeneous	Black Mastic	Asbestos Present Chrysotile 5	NA	Tar
022	419-2015099-22	Homogeneous	Yellow Mastic	Asbestos Not Present	NA	Glue
023	419-2015099-23	Homogeneous	Tan Floor Tile	Asbestos Present Chrysotile 3	NA	CaCO3 Vinyl
024	419-2015099-24	Homogeneous	Black Mastic	Asbestos Present Chrysotile 5	NA	Tar
025	419-2015099-25	Homogeneous	Yellow Mastic	Asbestos Not Present	NA	Glue
026	419-2015099-26	Homogeneous	Tan Floor Tile	Asbestos Present Chrysotile 3	NA	CaCO3 Vinyl

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 254439	Client: Altec Testing & Engineering, Inc.
Account Number: A984	6035 Fremont
	Riverside, CA 92504
Date Received: 09/04/2015	
Received By: Judy Rowan	
Date Analyzed: 09/11/2015	Project: Former Police Dept
Analyzed By: Dee Ammerman	Project Location: 700 Grand Escondido, CA
Methodology: EPA/600/R-93/116	Project Number: 419-2015099

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
027	419-2015099-27	Homogeneous	Black Mastic	Asbestos Present Chrysotile 5	NA	Tar
028	419-2015099-28	Homogeneous	Gray Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl
029	419-2015099-29	Homogeneous	Black Mastic	Asbestos Present Chrysotile 5	NA	Tar
030	419-2015099-30	Homogeneous	Gray Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl
031	419-2015099-31	Homogeneous	Black Mastic	Asbestos Present Chrysotile 5	NA	Tar
032	419-2015099-32	Homogeneous	Gray Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl
033	419-2015099-33	Homogeneous	Black Mastic	Asbestos Present Chrysotile 5	NA	Tar

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuantEM is a NVLAP accredited PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP or any agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.



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Polarized Light Microscopy Asbestos Analysis Report

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Account Number: A984	6035 Fremont
	Riverside, CA 92504
Date Received: 09/04/2015	
Received By: Judy Rowan	
Date Analyzed: 09/11/2015	Project: Former Police Dept
Analyzed By: Dee Ammerman	Project Location: 700 Grand Escondido, CA
Methodology: EPA/600/R-93/116	Project Number: 419-2015099

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
034	419-2015099-34	Layered	Gray Sheet Vinyl	Asbestos Not Present	Cellulose 15 Synthetic 5	Vinyl CaCO3
034a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
035	419-2015099-35	Layered	Gray Sheet Vinyl	Asbestos Not Present	Cellulose 15 Synthetic 5	Vinyl CaCO3
035a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
035b		Layered	Gray Leveling Compound	Asbestos Not Present	NA	CaCO3 Sand
036	419-2015099-36	Layered	Gray Sheet Vinyl	Asbestos Not Present	Cellulose 15 Synthetic 5	Vinyl CaCO3

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2033 HERITAGE PARK DR, OKLAHOMA CITY, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 254439	Client: Altec Testing & Engineering, Inc.
Account Number: A984	6035 Fremont
	Riverside, CA 92504
Date Received: 09/04/2015	
Received By: Judy Rowan	
Date Analyzed: 09/11/2015	Project: Former Police Dept
Analyzed By: Dee Ammerman	Project Location: 700 Grand Escondido, CA
Methodology: EPA/600/R-93/116	Project Number: 419-2015099

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
036a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
036b		Layered	Gray Leveling Compound	Asbestos Not Present	NA	CaCO3 Sand
037	419-2015099-37	Homogeneous	Blue Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl
038	419-2015099-38	Homogeneous	Black Mastic	Asbestos Present Chrysotile 5	NA	Tar
039	419-2015099-39	Homogeneous	Blue Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl
040	419-2015099-40	Homogeneous	Black Mastic	Asbestos Present Chrysotile 5	NA	Tar
041	419-2015099-41	Homogeneous	Blue Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl

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Analyzed By: Dee Ammerman	Project Location: 700 Grand Escondido, CA
Methodology: EPA/600/R-93/116	Project Number: 419-2015099

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
042	419-2015099-42	Homogeneous	Black Mastic	Asbestos Present Chrysotile 5	NA	Tar
043	419-2015099-43	Homogeneous	Tan Floor Tile	Asbestos Present Chrysotile 3	NA	CaCO3 Vinyl
044	419-2015099-44	Homogeneous	Black Mastic	Asbestos Present Chrysotile 5	NA	Tar
045	419-2015099-45	Homogeneous	Tan Floor Tile	Asbestos Present Chrysotile 3	NA	CaCO3 Vinyl
046	419-2015099-46	Homogeneous	Black Mastic	Asbestos Present Chrysotile 5	NA	Tar
047	419-2015099-47	Homogeneous	Tan Floor Tile	Asbestos Present Chrysotile 3	NA	CaCO3 Vinyl

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Analyzed By: Dee Ammerman	Project Location: 700 Grand Escondido, CA
Methodology: EPA/600/R-93/116	Project Number: 419-2015099

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
048	419-2015099-48	Homogeneous	Black Mastic	Asbestos Present Chrysotile 5	NA	Tar
049	419-2015099-49	Homogeneous	White Duct Tape	Asbestos Not Present	Cellulose 80	Binder
050	419-2015099-50	Homogeneous	White Duct Tape	Asbestos Not Present	Cellulose 80	Binder
051	419-2015099-51	Homogeneous	White Duct Tape	Asbestos Not Present	Cellulose 80	Binder
052	419-2015099-52	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Gypsum
052a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum
053	419-2015099-53	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Gypsum

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Methodology: EPA/600/R-93/116	Project Number: 419-2015099

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
053a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum
054	419-2015099-54	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Gypsum
054a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum
055	419-2015099-55	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Gypsum
055a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum
056	419-2015099-56	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Gypsum

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Date Analyzed: 09/11/2015	Project: Former Police Dept
Analyzed By: Dee Ammerman	Project Location: 700 Grand Escondido, CA
Methodology: EPA/600/R-93/116	Project Number: 419-2015099

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
056a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum
057	419-2015099-57	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Gypsum
057a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum
058	419-2015099-58	Homogeneous	White Joint Compound	Asbestos Not Present	NA	CaCO3 Gypsum
059	419-2015099-59	Homogeneous	Cream/Brown Mastic	Asbestos Not Present	NA	CaCO3 Glue
060	419-2015099-60	Homogeneous	Cream/Brown Mastic	Asbestos Not Present	NA	CaCO3 Glue
061	419-2015099-61	Homogeneous	Cream/Brown Mastic	Asbestos Not Present	NA	CaCO3 Glue

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Analyzed By: Dee Ammerman	Project Location: 700 Grand Escondido, CA
Methodology: EPA/600/R-93/116	Project Number: 419-2015099

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
062	419-2015099-62	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 40 Glass Fiber 40	Paint
063	419-2015099-63	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 40 Glass Fiber 40	Paint
064	419-2015099-64	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 40 Glass Fiber 40	Paint
065	419-2015099-65	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 60 Glass Fiber 20	Perlite Paint
066	419-2015099-66	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 60 Glass Fiber 20	Perlite Paint
067	419-2015099-67	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 60 Glass Fiber 20	Perlite Paint

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Analyzed By: Dee Ammerman	Project Location: 700 Grand Escondido, CA
Methodology: EPA/600/R-93/116	Project Number: 419-2015099

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
068	419-2015099-68	Homogeneous	Cream Floor Tile	Asbestos Not Present	Synthetic	3 CaCO3 Vinyl
069	419-2015099-69	Homogeneous	Cream Floor Tile	Asbestos Not Present	Synthetic	3 CaCO3 Vinyl
070	419-2015099-70	Homogeneous	Cream Floor Tile	Asbestos Not Present	Synthetic	3 CaCO3 Vinyl
071	419-2015099-71	Homogeneous	Blue Sheet Vinyl	Asbestos Not Present	Cellulose Synthetic	10 CaCO3 Vinyl
072	419-2015099-72	Homogeneous	Yellow Mastic	Asbestos Not Present	NA	Glue
073	419-2015099-73	Homogeneous	Blue Sheet Vinyl	Asbestos Not Present	Cellulose Synthetic	10 CaCO3 Vinyl
074	419-2015099-74	Homogeneous	Yellow Mastic	Asbestos Not Present	NA	Glue

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Analyzed By: Dee Ammerman	Project Location: 700 Grand Escondido, CA
Methodology: EPA/600/R-93/116	Project Number: 419-2015099

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
075	419-2015099-75	Homogeneous	Blue Sheet Vinyl	Asbestos Not Present	Cellulose 10 Synthetic 10	CaCO3 Vinyl
076	419-2015099-76	Homogeneous	Yellow Mastic	Asbestos Not Present	NA	Glue
077	419-2015099-77	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 50 Glass Fiber 30	Perlite Paint
078	419-2015099-78	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 50 Glass Fiber 30	Perlite Paint
079	419-2015099-79	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 50 Glass Fiber 30	Perlite Paint
080	419-2015099-80	Homogeneous	Brown Mastic	Asbestos Not Present	NA	CaCO3 Glue

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Methodology: EPA/600/R-93/116	Project Number: 419-2015099

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
081	419-2015099-81	Homogeneous	Brown Mastic	Asbestos Not Present	NA	CaCO3 Glue
082	419-2015099-82	Homogeneous	Brown Mastic	Asbestos Not Present	NA	CaCO3 Glue
083	419-2015099-83	Homogeneous	White Jacket	Asbestos Not Present	Cellulose 30 Glass Fiber 10	Foil Binder
084	419-2015099-84	Homogeneous	White Jacket	Asbestos Not Present	Cellulose 30 Glass Fiber 10	Foil Binder
085	419-2015099-85	Homogeneous	White Jacket	Asbestos Not Present	Cellulose 30 Glass Fiber 10	Foil Binder
086	419-2015099-86	Homogeneous	Black Water Proofing	Asbestos Not Present	NA	Tar Binder
087	419-2015099-87	Homogeneous	Black Water Proofing	Asbestos Not Present	NA	Tar Binder

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Methodology: EPA/600/R-93/116	Project Number: 419-2015099

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
088	419-2015099-88	Homogeneous	Black Water Proofing	Asbestos Not Present	NA	Tar Binder
089	419-2015099-89	Layered	White Stucco	Asbestos Not Present	NA	CaCO3 Paint
089a		Layered	Gray Stucco	Asbestos Not Present	NA	CaCO3 Sand
090	419-2015099-90	Layered	White Stucco	Asbestos Not Present	NA	CaCO3 Paint
090a		Layered	Gray Stucco	Asbestos Not Present	NA	CaCO3 Sand
091	419-2015099-91	Layered	White Stucco	Asbestos Not Present	NA	CaCO3 Paint

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Methodology: EPA/600/R-93/116	Project Number: 419-2015099

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
091a		Layered	Gray Stucco	Asbestos Not Present	NA	CaCO3 Sand
092	419-2015099-92	Layered	White Stucco	Asbestos Not Present	NA	CaCO3 Paint
092a		Layered	Gray Stucco	Asbestos Not Present	NA	CaCO3 Sand
093	419-2015099-93	Homogeneous	Tan Stucco	Asbestos Not Present	NA	CaCO3 Sand Paint
094	419-2015099-94	Homogeneous	Tan Stucco	Asbestos Not Present	NA	CaCO3 Sand Paint
095	419-2015099-95	Homogeneous	Tan Stucco	Asbestos Not Present	NA	CaCO3 Sand Paint

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Date Analyzed: 09/11/2015	Project: Former Police Dept
Analyzed By: Dee Ammerman	Project Location: 700 Grand Escondido, CA
Methodology: EPA/600/R-93/116	Project Number: 419-2015099

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
096	419-2015099-96	Homogeneous	Black Roofing	Asbestos Not Present	Glass Fiber 25	Tar Sand
097	419-2015099-97	Homogeneous	Black Roofing	Asbestos Not Present	Glass Fiber 25	Tar Sand
098	419-2015099-98	Homogeneous	Black Roofing	Asbestos Not Present	Glass Fiber 25	Tar Sand
099	419-2015099-99	Homogeneous	Black Roofing	Asbestos Not Present	Glass Fiber 25	Tar Sand
100	419-2015099-100	Homogeneous	Black Roofing	Asbestos Not Present	Glass Fiber 25	Tar Sand
101	419-2015099-101	Homogeneous	Black Roofing	Asbestos Not Present	Glass Fiber 25	Tar Sand
102	419-2015099-102	Homogeneous	Black Roofing	Asbestos Not Present	Cellulose 30	Tar

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Analyzed By: Dee Ammerman	Project Location: 700 Grand Escondido, CA
Methodology: EPA/600/R-93/116	Project Number: 419-2015099

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
103	419-2015099-103	Homogeneous	Black Roofing	Asbestos Not Present	Cellulose 30	Tar
104	419-2015099-104	Homogeneous	Black Roofing	Asbestos Not Present	Cellulose 30	Tar
105	419-2015099-105	Homogeneous	Gray Tar	Asbestos Present Chrysotile 15	NA	Tar
106	419-2015099-106	Homogeneous	Gray Tar	Asbestos Present Chrysotile 15	NA	Tar
107	419-2015099-107	Homogeneous	Gray Tar	Asbestos Present Chrysotile 15	NA	Tar

Dee Ammerman, Analyst

9/11/2015

Date of Report

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TEC TESTING & ENGINEERING, INC. - ASBESTOS BULK SAMPLE CHAIN OF CUSTODY (CONT.)

CLIENT NAME: EEL SAMPLED BY: Yowell PAGE 254439 OF

ALTEC CP NO.: 419-2015099 DATE OF SURVEY: 9/2/15 LABORATORY: QuanTem

PROJECT: Former Police Dept SHIPPED VIA: Fed Ex TURN AROUND TIME: 5 Day

ADDRESS: 00 Grand Escondido CA DATE OF SHIPPING: 9/1/15 TYPE OF ANALYSIS: EPA 600

Sample No. (Sample Nos. will have CP No. as pre-fix)	Material Type and Description (type, size, color, pattern)	Material Sampling Area and Other Noted Locations	Street Address	Floor (B, 1, 2, 3, R)	Total Material Square Footage	Type of Covering	Diameter (TSI)	Friable or Nonfriable Category	Condition	Accessibility	Activity	Friability	Exposed Area	LAB - Analyze to First Positive (Indicated by Sample Nos.)
1	Yellow Carpet glue			1				F N 1 2	0 3 5	0 1 2	0 1 2	0 3 5	0 1 4	
2	Black mastic			1				F N 1 2	0 3 5	0 1 2	0 1 2	0 3 5	0 1 4	
3	Yellow Carpet glue			1				F N 1 2	0 3 5	0 1 2	0 1 2	0 3 5	0 1 4	
4	Black mastic			1				F N 1 2	0 3 5	0 1 2	0 1 2	0 3 5	0 1 4	
5	Yellow Carpet glue			1				F N 1 2	0 3 5	0 1 2	0 1 2	0 3 5	0 1 4	
6	Black mastic			1				F N 1 2	0 3 5	0 1 2	0 1 2	0 3 5	0 1 4	
7	Brown 12" off			1	180			F N 1 2	0 3 5	0 1 2	0 1 2	0 3 5	0 1 4	
8	Black mastic			1				F N 1 2	0 3 5	0 1 2	0 1 2	0 3 5	0 1 4	
9	Brown 12" off			1				F N 1 2	0 3 5	0 1 2	0 1 2	0 3 5	0 1 4	
10	Black mastic			1				F N 1 2	0 3 5	0 1 2	0 1 2	0 3 5	0 1 4	

(1) SAMPLED BY: Jay A. Powell DATE 9/2/15 (2) RECEIVED BY: Judy Rowan DATE 9/30

(3) RECEIVED BY: _____ DATE _____ (4) RECEIVED BY: _____ DATE 9/4/15

Nonfriable 1 = floor tile, Transite, roofing felt, mastic/adhesive, Nonfriable 2 = all other materials that are not friable and not Category 1 nonfriable, Small # = good or low, Large # = bad or high

A TEC TESTING & ENGINEERING, INC. - ASBESTOS BULK SAMPLE CHAIN OF CUSTODY (COT)

CLIENT NAME: EEL SAMPLED BY: Yowell PAGE 254439 OF

ALTEC CP NO.: 419-2015099 DATE OF SURVEY: 9/2/15 LABORATORY: QuanTem

PROJECT: Former Police Dept SHIPPED VIA: Fed Ex TURN AROUND TIME: 5 Day

ADDRESS: 700 Grand Escondido CA DATE OF SHIPPING: 9/1/15 TYPE OF ANALYSIS: EPA 600

Sample No. (Sample Nos. will have CP No. as pre-fix)	Material Type and Description (type, size, color, pattern)	Material Sampling Area and Other Noted Locations	Street Address	Floor (B, 1, 2, 3, R)	Total Material Square Footage	Type of Covering	Diameter (TSI)	Friable or Nonfriable Category	Condition	Accessibility	Activity	Friability	Exposed Area	LAB - Analyze to First Positive (Indicated by Sample Nos.)
1	Brown 12" VFT			1	↓			F	0	0	0	0	0	
2	Black mastic			1	↓			F	0	0	0	0	0	
3	Tan 12" VFT			1	200			F	0	0	0	0	0	
4	Black mastic			1	↓			F	0	0	0	0	0	
5	Tan 12" VFT			1	↓			F	0	0	0	0	0	
6	Black mastic			1	↓			F	0	0	0	0	0	
7	Tan 12" VFT			1	↓			F	0	0	0	0	0	
8	Black mastic			1	↓			F	0	0	0	0	0	
9	Yellow carpet glue	Rm 256		2	215			F	0	0	0	0	0	
20	12" VFT	↓		1	↓			F	0	0	0	0	0	

(1) SAMPLED BY: John L. Howard DATE 9/2/15 (2) RECEIVED BY: _____ DATE _____

(3) RECEIVED BY: _____ DATE _____ (4) RECEIVED BY: _____ DATE _____

Nonfriable 1 = floor tile, Transite, roofing felt, mastic/adhesive, Nonfriable 2 = all other materials that are not friable and not Category 1 nonfriable, Small # = good or low, Large # = bad or high

F T E C TESTING & ENGINEERING, INC. - ASBESTOS BULK SAMPLE CHAIN OF CUSTODY (C)

CLIENT NAME: EEI SAMPLED BY: Yowell PAGE 254439 OF
 ALTEC CP NO.: 419-2015099 DATE OF SURVEY: 9/2/15 LABORATORY: QuanTem
 PROJECT: Former Police Dept SHIPPED VIA: Fed Ex TURN AROUND TIME: 5 Day
 ADDRESS: 00 Grand Escondido CA DATE OF SHIPPING: 9/1/15 TYPE OF ANALYSIS: EPA 600

Sample No. (Sample Nos.'s will have CP No. as pre-fix)	Material Type and Description (type, size, color, pattern)	Material Sampling Area and Other Noted Locations	Street Address	Floor (B, 1, 2, 3, R)	Total Material Square Footage	Type of Covering	Diameter (TSI)	Friable or Nonfriable Category	Condition	Accessibility	Activity	Friability	Exposed Area	LAB - Analyze to (Indicated by Sample Nos.)	
21	Black mastic							F N 1 2 3 5	0 3 5	0 1 2	0 1 2	0 3 5	0 1 4		
22	Yellow carpet glue							F N 1 2 3 5	0 3 5	0 1 2	0 1 2	0 1 2	0 3 5	0 1 4	
23	12" VFT							F N 1 2 3 5	0 3 5	0 1 2	0 1 2	0 1 2	0 3 5	0 1 4	
24	Black mastic							F N 1 2 3 5	0 3 5	0 1 2	0 1 2	0 1 2	0 3 5	0 1 4	
25	Yellow carpet glue							F N 1 2 3 5	0 3 5	0 1 2	0 1 2	0 1 2	0 3 5	0 1 4	
26	Black mastic ← 12" VFT							F N 1 2 3 5	0 3 5	0 1 2	0 1 2	0 1 2	0 3 5	0 1 4	
27	Black mastic							F N 1 2 3 5	0 3 5	0 1 2	0 1 2	0 1 2	0 3 5	0 1 4	
28	gray 12" VFT	LAB			800			F N 1 2 3 5	0 3 5	0 1 2	0 1 2	0 3 5	0 1 4		
29	Black mastic							F N 1 2 3 5	0 3 5	0 1 2	0 1 2	0 3 5	0 1 4		
30	gray 12" VFT							F N 1 2 3 5	0 3 5	0 1 2	0 1 2	0 1 2	0 3 5	0 1 4	

(1) SAMPLED BY: John A. Howell DATE 9/2/15 (2) RECEIVED BY: _____ DATE _____
 (3) RECEIVED BY: _____ DATE _____ (4) RECEIVED BY: _____ DATE _____

Nonfriable 1 = floor tile, Transite, roofing felt, mastic/adhesive, Nonfriable 2 = all other materials that are not friable and not Category 1 nonfriable, Small # = good or low, Large # = bad or high

TEC TESTING & ENGINEERING, INC. - ASBESTOS BULK SAMPLE CHAIN OF CUSTODY (CONTINUED)

CLIENT NAME: EEL SAMPLED BY: Yowell PAGE 254439 OF
 ALTEC CP NO.: 419-2015099 DATE OF SURVEY: 9/2/15 LABORATORY: Quantem
 PROJECT: Former Police Dept SHIPPED VIA: Fed Ex TURN AROUND TIME: 5 Day
 ADDRESS: 700 Grand Escondido CA DATE OF SHIPPING: 9/1/15 TYPE OF ANALYSIS: EPA 600

Sample No. (Sample Nos.'s will have CP No. as pre-fix)	Material Type and Description (type, size, color, pattern)	Material Sampling Area and Other Noted Locations	Street Address	Floor (B, 1, 2, 3, R)	Total Material Square Footage	Type of Covering	Diameter (TSI)	Friable or Nonfriable Category	Condition	Accessibility	Activity	Friability	Exposed Area	LAB - Analyze to First Positive (Indicated by Sample Nos.)
31	Black Mastic	↓		2				F	0	0	0	0	0	
32	Gray 1/2" VFT	↓		2				F	0	0	0	0	0	
33	Black Mastic	↓		2				F	0	0	0	0	0	
34	Gray RSF	↓		2	50			F	0	0	0	0	0	
35	↓	↓		2	↓			F	0	0	0	0	0	
36	↓	↓		2	↓			F	0	0	0	0	0	
37	Blue VFT	Closet near NW Staircase		2	50			F	0	0	0	0	0	
38	Black Mastic	↓		2				F	0	0	0	0	0	
39	Blue VFT	↓		2				F	0	0	0	0	0	
40	Black Mastic	↓		2				F	0	0	0	0	0	

(1) SAMPLED BY: John A. Howell DATE 9/2/15 (2) RECEIVED BY: _____ DATE _____
 (3) RECEIVED BY: _____ DATE _____ (4) RECEIVED BY: _____ DATE _____

Nonfriable 1 = floor tile, Transite, roofing felt, mastic/adhesive, Nonfriable 2 = all other materials that are not friable and not Category 1 nonfriable, Small # = good or low, Large # = bad or high

F TEC TESTING & ENGINEERING, INC. - ASBESTOS BULK SAMPLE CHAIN OF CUSTODY (C)

SAMPLED BY: Yowell 254439 PAGE OF

CLIENT NAME: EEI LABORATORY: QuanTem

ALTEC CP NO.: 419-2015099 DATE OF SURVEY: 9/2/15

PROJECT: Former Police Dept SHIPPED VIA: Fed Ex TURN AROUND TIME: 5 Day

ADDRESS: 00 Grand Escondido CA DATE OF SHIPPING: 9/1/15 TYPE OF ANALYSIS: EPA 600

Sample No. (Sample Nos. will have CP No. as pre-fix)	Material Type and Description (type, size, color, pattern)	Material Sampling Area and Other Noted Locations	Street Address	Floor (B, 1, 2, 3, R)	Total Material Square Footage	Type of Covering	Diameter (TSI)	Friable or Nonfriable Category	Condition	Accessibility	Activity	Friability	Exposed Area	LAB - Analyze to First Positive (Indicated by Sample Nos.)
41	Blue VFT	↓		2	↓			F N 1 2	0 3 5	1 2	0 1 2	0 3 5	0 1 4	
42	Black mastic	↓		2	↓			F N 1 2	0 3 5	1 2	0 1 2	0 3 5	0 1 4	
43	Tan 12" VFT	File Room		2	150			F N 1 2	0 3 5	1 2	0 1 2	0 3 5	0 1 4	
44	Black mastic	↓		2	↓			F N 1 2	0 3 5	1 2	0 1 2	0 3 5	0 1 4	
45	Tan 12" VFT	Roof Access Room		2	↓			F N 1 2	0 3 5	1 2	0 1 2	0 3 5	0 1 4	
46	Black mastic	↓		2	↓			F N 1 2	0 3 5	1 2	0 1 2	0 3 5	0 1 4	
47	Tan 12" VFT	↓		2	↓			F N 1 2	0 3 5	1 2	0 1 2	0 3 5	0 1 4	
48	Black mastic	↓		2	↓			F N 1 2	0 3 5	1 2	0 1 2	0 3 5	0 1 4	
49	White HWC DUCT TAPE	Mechanical Rm		2				F N 1 2	0 3 5	1 2	0 1 2	0 3 5	0 1 4	
50	↓			2				F N 1 2	0 3 5	1 2	0 1 2	0 3 5	0 1 4	

(1) SAMPLED BY: [Signature] DATE 9/2/15 (2) RECEIVED BY: _____ DATE _____

(3) RECEIVED BY: _____ DATE _____ (4) RECEIVED BY: _____ DATE _____

Nonfriable 1 = floor tile, Transite, roofing felt, mastic/adhesive, Nonfriable 2 = all other materials that are not friable and not Category 1 nonfriable, Small # = good or low, Large # = bad or high

TEC TESTING & ENGINEERING, INC. - ASBESTOS BULK SAMPLE CHAIN OF CUSTODY (CONT.)

CLIENT NAME: EEL SAMPLED BY: Yowell DATE OF SURVEY: 9/2/15 LABORATORY: Quantum PAGE 254439 OF

ALTEC CP NO.: 419-2015099 DATE OF SURVEY: 9/2/15 SHIPPED VIA: Fed Ex TURN AROUND TIME: 5 Day TYPE OF ANALYSIS: EPA 600

PROJECT: Former Police Dept DATE OF SHIPPING: 9/1/15

ADDRESS: 700 Grand Escondido CA

Sample No. (Sample Nos. will have CP No. as pre-fix)	Material Type and Description (Type, size, color, pattern)	Material Sampling Area and Other Noted Locations	Street Address	Floor (B, 1, 2, 3, R)	Total Material Square Footage	Type of Covering	Diameter (TSI)	Friable or Nonfriable Category	Condition	Accessibility	Activity	Friability	Exposed Area	LAB - Analyze to First Positive (Indicated by Sample Nos.)
S1	↓	↑		2				F N 1 2 3 5	0 0 0 1 2	0 1 2 3 5	0 1 2 3 5	0 1 2 3 5	0 1 4	
S2	Dw/SC	Throughout		↓				F N 1 2 3 5	0 0 0 1 2	0 1 2 3 5	0 1 2 3 5	0 1 4		
S3	↓	↓		↓				F N 1 2 3 5	0 0 0 1 2	0 1 2 3 5	0 1 2 3 5	0 1 4		
S4	↓	↓		↓				F N 1 2 3 5	0 0 0 1 2	0 1 2 3 5	0 1 2 3 5	0 1 4		
S5	↓	↓		↓				F N 1 2 3 5	0 0 0 1 2	0 1 2 3 5	0 1 2 3 5	0 1 4		
S6	↓	↓		↓				F N 1 2 3 5	0 0 0 1 2	0 1 2 3 5	0 1 2 3 5	0 1 4		
S7	↓	↓		↓				F N 1 2 3 5	0 0 0 1 2	0 1 2 3 5	0 1 2 3 5	0 1 4		
S8	↓	↓		↓				F N 1 2 3 5	0 0 0 1 2	0 1 2 3 5	0 1 2 3 5	0 1 4		
S9	Cream/Brown Cove Base Adh			2				F N 1 2 3 5	0 0 0 1 2	0 1 2 3 5	0 1 2 3 5	0 1 4		
S60	↓			↓				F N 1 2 3 5	0 0 0 1 2	0 1 2 3 5	0 1 2 3 5	0 1 4		

(1) SAMPLED BY: John A. Yowell DATE 9/2/15 (2) RECEIVED BY: _____ DATE _____

(3) RECEIVED BY: _____ DATE _____ (4) RECEIVED BY: _____ DATE _____

Nonfriable 1 = floor tile, Transite, roofing felt, mastic/adhesive, Nonfriable 2 = all other materials that are not friable and not Category 1 nonfriable, Small # = good or low, Large # = bad or high

ALTEC TESTING & ENGINEERING, INC. - ASBESTOS BULK SAMPLE CHAIN OF CUSTODY (COC)

CLIENT NAME: EEI SAMPLED BY: Yowell LABORATORY: Quantem PAGE 254439 OF

ALTEC CP NO.: 419-2015099 DATE OF SURVEY: 9/2/15 TURN AROUND TIME: 5 Day

PROJECT: Former Police Dept SHIPPED VIA: FedEx TYPE OF ANALYSIS: EPA 600

ADDRESS: 00 Grand Escondido CA DATE OF SHIPPING: 9/1/15

Sample No. (Sample Nos. will have CP No. as pre-fix)	Material Type and Description (type, size, color, pattern)	Material Sampling Area and Other Noted Locations	Street Address	Floor (B, 1, 2, 3, R)	Total Material Square Footage	Type of Covering	Diameter (TSI)	Friable or Nonfriable Category	Condition	Accessibility	Activity	Friability	Exposed Area	LAB - Analyze to First Positive (Indicated by Sample Nos.)
61	↓	↓		2	↓			F N 1 2	0 3.5	1 2	0 1.2	0 1	0 1.4	
62	white CT	Chiefs Office			500			F N 1 2	0 3.5	0 1.2	0 1.2	0 1	0 1.4	
63	↓	↓			↓			F N 1 2	0 3.5	0 1.2	0 1.2	0 1	0 1.4	
64	↓	↓			↓			F N 1 2	0 3.5	0 1.2	0 1.2	0 1	0 1.4	
65	2x4 CT	Throught			↓			F N 1 2	0 3.5	0 1.2	0 1.2	0 1	0 1.4	
66	↓	↓			↓			F N 1 2	0 3.5	0 1.2	0 1.2	0 1	0 1.4	
67	↓	↓			↓			F N 1 2	0 3.5	0 1.2	0 1.2	0 1	0 1.4	
68	cream P&S	Bathroom		1	80			F N 1 2	0 3.5	0 1.2	0 1.2	0 1	0 1.4	
69	↓	Kitchen AREA		1	60			F N 1 2	0 3.5	0 1.2	0 1.2	0 1	0 1.4	
70	↓	↓		1	60			F N 1 2	0 3.5	0 1.2	0 1.2	0 1	0 1.4	

(1) SAMPLED BY: Jay A. Powell DATE 9/2/15 (2) RECEIVED BY: _____ DATE _____

(3) RECEIVED BY: _____ DATE _____ (4) RECEIVED BY: _____ DATE _____

Nonfriable 1 = floor tile, Transite, roofing felt, mastic/adhesive, Nonfriable 2 = all other materials that are not friable and not Category 1 nonfriable, Small # = good or low, Large # = bad or high

ALTEC TESTING & ENGINEERING, INC. - ASBESTOS BULK SAMPLE CHAIN OF CUSTODY (CONT.)

CLIENT NAME: EEL SAMPLED BY: Yowell LABORATORY: QuanTern PAGE 254439 OF

ALTEC CP NO.: 419-2015099 DATE OF SURVEY: 9/2/15 TURN AROUND TIME: 5 Day

PROJECT: Former Police Dept SHIPPED VIA: Fed Ex TYPE OF ANALYSIS: EPA 600

ADDRESS: 00 Grand Escondido CA DATE OF SHIPPING: 9/1/15

Sample No. <small>(Sample Nos. will have CP No. as pre-fix)</small>	Material Type and Description <small>(type, size, color, pattern)</small>	Material Sampling Area and Other Noted Locations	Street Address	Floor (B, 1, 2, 3, Rl)	Total Material Square Footage	Type of Covering	Diameter (TSI)	Friable or Nonfriable Category	Condition	Accessibility	Activity	Friability	Exposed Area	LAB - Analyze to First Positive (Indicated by Sample Nos.)
71	Blue RSF	Drinking Below Drinking Fountain		1				F	0	0	0	0	0	
72	Yellow Adh	↓		1				F	0	0	0	0	0	
73	Blue RSF			1				N 1 2	3 5	1 2	1 2	3 5	1 4	
74	Yellow Adh			1				F	0	0	0	0	0	
75	Blue RSF			1				N 1 2	3 5	1 2	1 2	3 5	1 4	
76	Yellow Adh			1				F	0	0	0	0	0	
77	Grey ceiling Tile		Throughout	1				N 1 2	3 5	1 2	1 2	3 5	1 4	
78	↓	↓	1				F	0	0	0	0	0		
79	↓	↓	1				N 1 2	3 5	1 2	1 2	3 5	1 4		
80	Brown concrete base Adh	↓	1				F	0	0	0	0	0		

(1) SAMPLED BY: Yowell DATE 9/2/15 (2) RECEIVED BY: _____ DATE _____

(3) RECEIVED BY: _____ DATE _____ (4) RECEIVED BY: _____ DATE _____

Nonfriable 1 = floor tile, Transite, roofing felt, mastic/adhesive, Nonfriable 2 = all other materials that are not friable and not Category 1 nonfriable, Small # = good or low, Large # = bad or high

F T E C T E S T I N G & E N G I N E E R I N G , I N C . - A S B E T O S B U L K S A M P L E C H A I N O F C U S T O D Y (C)

CLIENT NAME: EI SAMPLED BY: Yowell LABORATORY: QuanTem PAGE 254439 OF

ALTEC CP NO.: 419-2015099 DATE OF SURVEY: 9/2/15 TURN AROUND TIME: 5 Day

PROJECT: Former Police Dept SHIPPED VIA: Fed Ex TYPE OF ANALYSIS: EPA 600

ADDRESS: 00 Grand Escondido CA DATE OF SHIPPING: 9/1/15

Sample No. (Sample Nos.'s will have CP No. as pre-fix)	Material Type and Description (type, size, color, pattern)	Material Sampling Area and Other Noted Locations	Street Address	Floor (B, 1, 2, 3, R)	Total Material Square Footage	Type of Covering	Diameter (TSI)	Friable or Nonfriable Category	Condition	Accessibility	Activity	Friability	Exposed Area	LAB - Analyze to First Positive (Indicated by Sample Nos.)
81	↓	↓		1				F N 1 2	0 3.5	0 1.2	0 1.2	0 3.5	0 1.4	
82	↓	↓		1				F N 1 2	0 3.5	0 1.2	0 1.2	0 3.5	0 1.4	
83	HVAC Sucker	Mechanical Rooms		1				F N 1 2	0 3.5	0 1.2	0 1.2	0 3.5	0 1.4	
84	↓	↓		1				F N 1 2	0 3.5	0 1.2	0 1.2	0 3.5	0 1.4	
85	↓	↓		2				F N 1 2	0 3.5	0 1.2	0 1.2	0 3.5	0 1.4	
86	Water Proofing Black	Exterior Planters						F N 1 2	0 3.5	0 1.2	0 1.2	0 3.5	0 1.4	
87	↓	↓						F N 1 2	0 3.5	0 1.2	0 1.2	0 3.5	0 1.4	
88	↓	↓						F N 1 2	0 3.5	0 1.2	0 1.2	0 3.5	0 1.4	
89	Exterior Stucco							F N 1 2	0 3.5	0 1.2	0 1.2	0 3.5	0 1.4	
90	↓	↓						F N 1 2	0 3.5	0 1.2	0 1.2	0 3.5	0 1.4	

(1) SAMPLED BY: Jay A. Howell DATE 9/3/15 (2) RECEIVED BY: _____ DATE _____

(3) RECEIVED BY: _____ DATE _____ (4) RECEIVED BY: _____ DATE _____

Nonfriable 1 = floor tile, Transite, roofing felt, mastic/adhesive, Nonfriable 2 = all other materials that are not friable and not Category 1 nonfriable, Small # = good or low, Large # = bad or high

TEC TESTING & ENGINEERING, INC. - ASBI TOS BULK SAMPLE CHAIN OF CUSTODY (C O C)

CLIENT NAME: FEY SAMPLED BY: 254439 PAGE OF

ALTEC CP NO.: 415-2015099 LABORATORY:

PROJECT: TURN AROUND TIME:

ADDRESS: TYPE OF ANALYSIS:

Sample No. <small>(Sample Nos.'s will have CP No. as pre-fix)</small>	Material Type and Description <small>(type, size, color, pattern)</small>	Material Sampling Area and Other Noted Locations	Street Address	Floor (B, 1, 2, 3, R, I)	Total Material Square Footage	Type of Covering	Diameter (TSI)	Friable or Nonfriable Category	Condition	Accessibility	Activity	Friability	Exposed Area	LAB - Analyze to First Positive (Indicated by Sample Nos.)
91								F 1 2	0 0	0 0	0 0	0 1	0	
92								N 1 2	3 5	1 2	1 2	3 5	1 4	
93								F 1 2	0 0	0 0	0 0	0 1	0	
94								N 1 2	3 5	1 2	1 2	3 5	1 4	
95								F 1 2	0 0	0 0	0 0	0 1	0	
96								N 1 2	3 5	1 2	1 2	3 5	1 4	
97								F 1 2	0 0	0 0	0 0	0 1	0	
98								N 1 2	3 5	1 2	1 2	3 5	1 4	
99								F 1 2	0 0	0 0	0 0	0 1	0	
100								N 1 2	3 5	1 2	1 2	3 5	1 4	

(1) SAMPLED BY: Jay A Powell DATE 9/2/15 (2) RECEIVED BY: DATE

(3) RECEIVED BY: DATE (4) RECEIVED BY: DATE

Nonfriable 1 = floor tile, Transite, roofing felt, mastic/adhesive, Nonfriable 2 = all other materials that are not friable and not Category 1 nonfriable, Small # = good or low, Large # = bad or high

TEC TESTING & ENGINEERING, INC. - ASBI TOS BULK SAMPLE CHAIN OF CUSTODY (C O C)

CLIENT NAME: EET SAMPLED BY: _____ PAGE OF
 ALTEC CP NO.: 415-2015099 DATE OF SURVEY: _____ LABORATORY: 254439
 PROJECT: _____ SHIPPED VIA: _____ TURN AROUND TIME: _____
 ADDRESS: _____ DATE OF SHIPPING: _____ TYPE OF ANALYSIS: _____

Sample No. (Sample Nos. will have CP No. as pre-fix)	Material Type and Description (type, size, color, pattern)	Material Sampling Area and Other Noted Locations	Street Address	Floor (B, 1, 2, 3, R)	Total Material Square Footage	Type of Covering	Diameter (TSI)	Friable or Nonfriable Category	Condition	Accessibility	Activity	Friability	Exposed Area	LAB - Analyze to First Positive (Indicated by Sample Nos.)
101	↓							F 1 2	0 3 5	1 2	0 1 2	0 1 3 5	0 1 4	
102	Pitch Pocket							F 1 2	0 3 5	1 2	0 1 2	0 1 3 5	0 1 4	
103	↓							F 1 2	0 3 5	1 2	0 1 2	0 1 3 5	0 1 4	
104	↓							N 1 2	3 5	1 2	1 2	3 5	1 4	
105	Patching Tar							F 1 2	0 3 5	1 2	0 1 2	0 1 3 5	0 1 4	
106	↓							F 1 2	0 3 5	1 2	0 1 2	0 1 3 5	0 1 4	
107	↓							N 1 2	3 5	1 2	1 2	3 5	1 4	
8								F 1 2	0 3 5	1 2	0 1 2	0 1 3 5	0 1 4	
9								N 1 2	3 5	1 2	1 2	3 5	1 4	
0								F 1 2	0 3 5	1 2	0 1 2	0 1 3 5	0 1 4	

(1) SAMPLED BY: Jay R. Spaul DATE 9/2/15 (2) RECEIVED BY: _____ DATE _____
 (3) RECEIVED BY: _____ DATE _____ (4) RECEIVED BY: _____ DATE _____

Nonfriable 1 = floor tile, Transite, roofing felt, mastic/adhesive, Nonfriable 2 = all other materials that are not friable and not Category 1 nonfriable, Small # = good or low, Large # = bad or high

Appendix C – Lead XRF Data Sheets



Field XRF Data Sheet

Client No. EEI

Date: 9/02/15

Altec Project #: 419-2015099

XRF Type/Serial No. RMD LPA-1 2870/2560

Project: 700 Grand Escondido CA

Inspector/Technician Name(s): Yowell, Adams, Crawford

Test No.	Address	Test Location	Building Component	Substrate B=brick, C=concrete, D=drywall, M=metal, P=plaster, S=stucco, T=tile, W=wood	Top Layer Paint Color	Condition Intact Fair Poor	XRF Reading (mg/cm ²)	Estimated Sq. Footage of + Material
1		Calibration					1.0	
2		↓					1.0	
3		↓					1.0	
4		1st Floor Throughout	Walls	B	White	I	-0.2	
5		↓	Walls	D	White	I	-0.1	
6		↓	Doors	D M	White	I	-0.1	
7		↓	Door Jambs	D M	White	I	-0.3	
8		Restrooms (1st Floor)	Walls	T	White	I	>9.9	800
9		↓	Floor	T	Brown	I	-0.3	
10		Restrooms (2nd Floor)	Walls	T	blue	I	-0.4	

Field XRF Data Sheet

Client Name: EEI

Date: 9/02/15

Altec Project #: 419-2015099

XRF Type/Serial No. RMD LPA-1 2870/2560

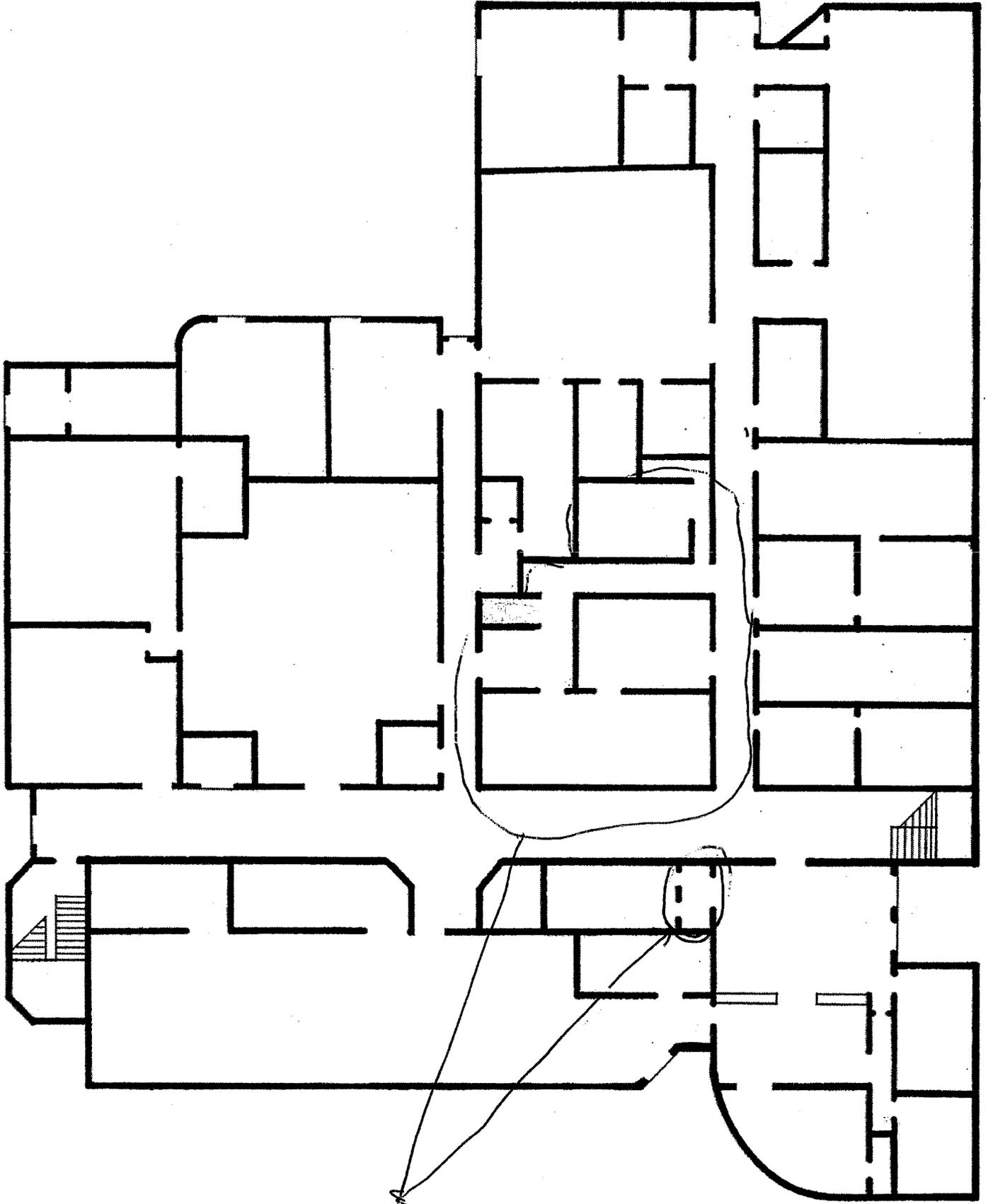
Project: 700 Grand Escondido CA

Inspector/Technician Name(s): Yowell, Adams, Crawford

Test No.	Address	Test Location	Building Component	Substrate B=brick, C=concrete, D=drywall, M=metal, P=plaster, S=stucco, T=tile, W=wood	Top Layer Paint Color	Condition Intact Fair Poor	XRF Reading (mg/cm ²)	Estimated Sq. Footage of + Material
11		Restrooms (2 nd Floor)	Walls	T	Purple	I	-0.2	
12		Throughout (2 nd Floor)	Doors	W	White	I	-0.1	
13		↓	Door Jambs	W	White	I	0.2	
14		↓	Wall (ceiling)	D	White	I	0.1	
15		Exterior	Wall	S	White	I	0.1	
16		"	Deck	W	White	F	-0.1	
17		Calibration					1.0	
18		↓					↓	
19		↓					↓	
20								

Appendix D – Maps of Inspected Structure

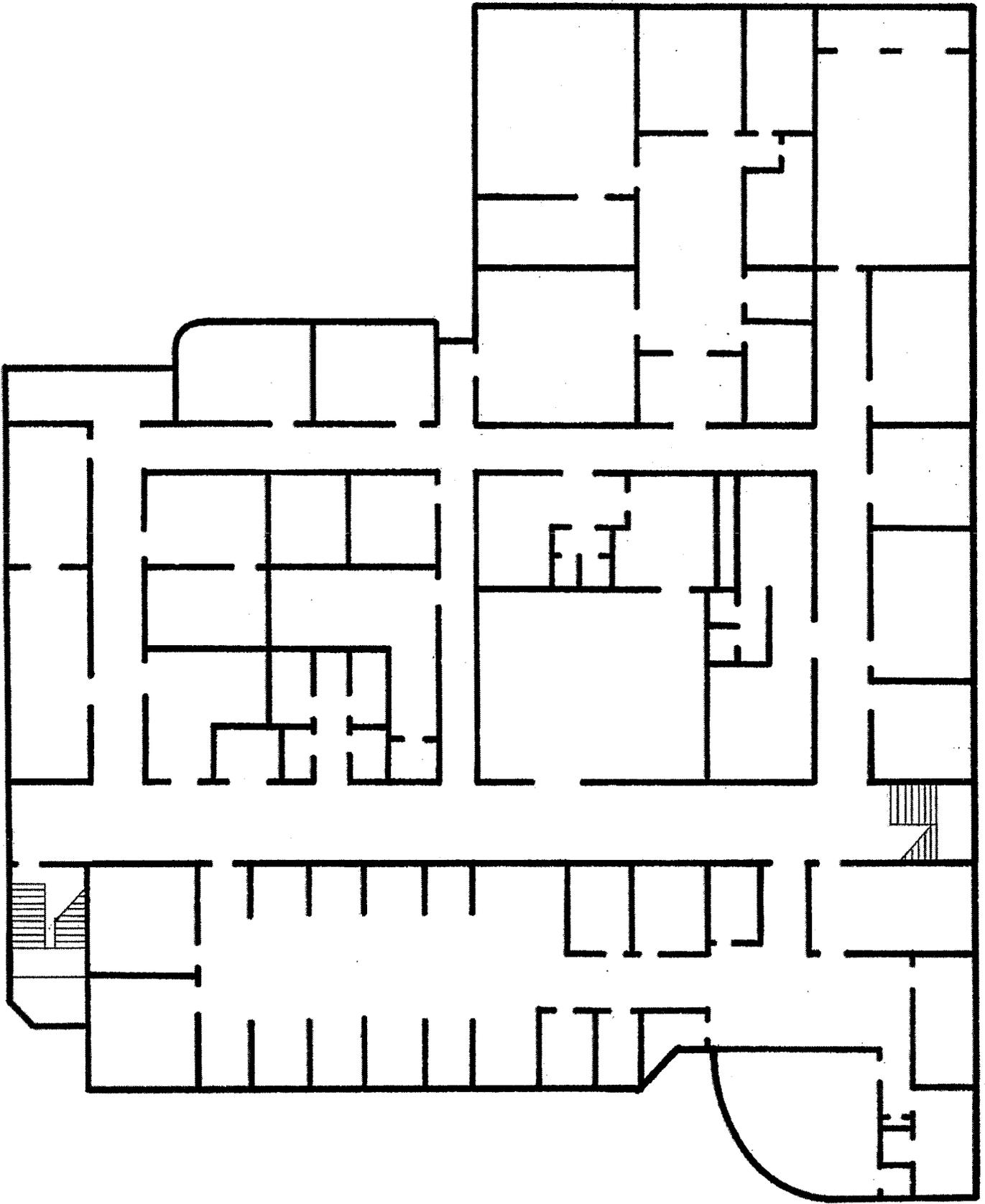




P.E.
TILE
RESTROOM
WALLS



ESCONDIDO P.D. - FIRST FLOOR

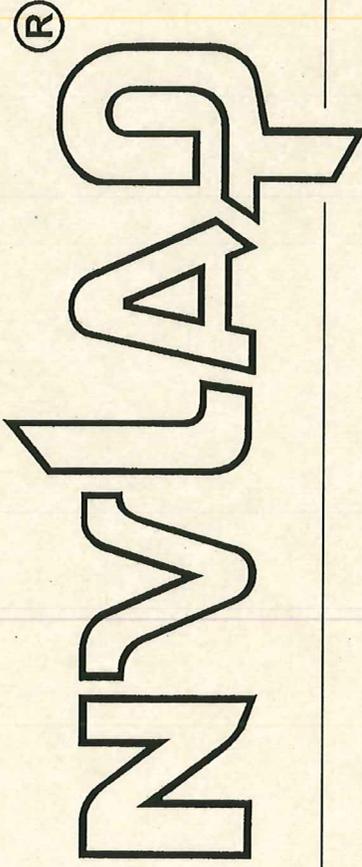


ESCONDIDO P.D. - SECOND FLOOR

Appendix E – Laboratory Certifications



United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 101959-0

QuanTEM Laboratories, LLC
Oklahoma City, OK

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

BULK ASBESTOS FIBER ANALYSIS

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communiqué dated January 2009).*

2014-10-01 through 2015-09-30

Effective dates



A handwritten signature in black ink, appearing to read "Mark D. M. L. D.", positioned above the official title.

For the National Institute of Standards and Technology



**National Voluntary
Laboratory Accreditation Program**



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

QuanTEM Laboratories, LLC

2033 Heritage Park Drive

Oklahoma City, OK 73120-7579

Mr. John E. Barnett

Phone: 405-755-7272 Fax: 405-755-2058

E-Mail: jbarnett@quantem.com

URL: <http://www.quantem.com>

BULK ASBESTOS FIBER ANALYSIS (PLM)

NVLAP LAB CODE 101959-0

<i>NVLAP Code</i>	<i>Designation / Description</i>
18/A01	EPA 600/M4-82-020: Interim Method for 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

2014-10-01 through 2015-09-30

Effective dates

For the National Institute of Standards and Technology

Appendix F – RMD LPA-1 XRF Performance Characteristic Sheets



Performance Characteristic Sheet

EFFECTIVE DATE: October 24, 2000

EDITION NO.: 4

MANUFACTURER AND MODEL:

Make: *Radiation Monitoring Devices*

Model: *LPA-1*

Source: ^{57}Co

Note: This sheet supersedes all previous sheets for the XRF instrument of the make, model, and source shown above **for instruments sold or serviced after June 26, 1995. For other instruments, see prior editions.**

FIELD OPERATION GUIDANCE

OPERATING PARAMETERS

Quick mode or nominal 30-second standard mode readings.

XRF CALIBRATION CHECK LIMITS

0.7 to 1.3 mg/cm ² (inclusive)

SUBSTRATE CORRECTION:

For XRF results below 4.0 mg/cm², substrate correction is recommended for:

Metal using 30-second standard mode readings.

None using quick mode readings.

Substrate correction is not needed for:

Brick, Concrete, Drywall, Plaster, and Wood using 30-second standard mode readings

Brick, Concrete, Drywall, Metal, Plaster, and Wood using quick mode readings

THRESHOLDS:

30-SECOND STANDARD MODE READING DESCRIPTION	SUBSTRATE	THRESHOLD (mg/cm ²)
Results corrected for substrate bias on metal substrate only	Brick	1.0
	Concrete	1.0
	Drywall	1.0
	Metal	0.9
	Plaster	1.0
	Wood	1.0

QUICK MODE READING DESCRIPTION	SUBSTRATE	THRESHOLD (mg/cm ²)
Readings not corrected for substrate bias on any substrate	Brick	1.0
	Concrete	1.0
	Drywall	1.0
	Metal	1.0
	Plaster	1.0
	Wood	1.0

BACKGROUND INFORMATION

EVALUATION DATA SOURCE AND DATE:

This sheet is supplemental information to be used in conjunction with Chapter 7 of the HUD *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing* (HUD Guidelines"). Performance parameters shown on this sheet are calculated from the EPA/HUD evaluation using archived building components. Testing was conducted on approximately 150 test locations in July 1995. The instrument that performed testing in September had a new source installed in June 1995 with 12 mCi initial strength.

OPERATING PARAMETERS:

Performance parameters shown in this sheet are applicable only when properly operating the instrument using the manufacturer's instructions and procedures described in Chapter 7 of the HUD Guidelines.

XRF CALIBRATION CHECK:

The calibration of the XRF instrument should be checked using the paint film nearest 1.0 mg/cm² in the NIST Standard Reference Material (SRM) used (e.g., for NIST SRM 2579, use the 1.02 mg/cm² film).

If readings are outside the acceptable calibration check range, follow the manufacturer's instructions to bring the instruments into control before XRF testing proceeds

SUBSTRATE CORRECTION VALUE COMPUTATION

Chapter 7 of the HUD Guidelines provides guidance on correcting XRF results for substrate bias. Supplemental guidance for using the paint film nearest 1.0 mg/cm² for substrate correction is provided:

XRF results are corrected for substrate bias by subtracting from each XRF result a correction value determined separately in each house for single-family housing or in each development for multifamily housing, for each substrate. The correction value is an average of XRF readings taken over the NIST SRM paint film nearest to 1.0 mg/cm² at test locations that have been scraped bare of their paint covering. Compute the correction values as follows:

Using the same XRF instrument, take three readings on a bare substrate area covered with the NIST SRM paint film nearest 1 mg/cm². Repeat this procedure by taking three more readings on a second bare substrate area of the same substrate covered with the NIST SRM.

Compute the correction value for each substrate type where XRF readings indicate substrate correction is needed by computing the average of all six readings as shown below.

For each substrate type (the 1.02 mg/cm² NIST SRM is shown in this example; use the actual lead loading of the NIST SRM used for substrate correction):

$$\text{Correction value} = (1\text{st} + 2\text{nd} + 3\text{rd} + 4\text{th} + 5\text{th} + 6\text{th Reading}) / 6 - 1.02 \text{ mg/cm}^2$$

Repeat this procedure for each substrate requiring substrate correction in the house or housing development.

EVALUATING THE QUALITY OF XRF TESTING:

Randomly select ten testing combinations for retesting from each house or from two randomly selected units in multifamily housing. Use either 15-second readings or 60-second readings.

Conduct XRF re-testing at the ten testing combinations selected for retesting.

Determine if the XRF testing in the units or house passed or failed the test by applying the steps below.

Compute the Retest Tolerance Limit by the following steps:

Determine XRF results for the original and retest XRF readings. Do not correct the original or retest results for substrate bias. In single-family housing a result is defined as the average of three readings. In multifamily housing, a result is a single reading. Therefore, there will be ten original and ten retest XRF results for each house or for the two selected units.

Calculate the average of the original XRF result and retest XRF result for each testing combination.

Square the average for each testing combination.

Add the ten squared averages together. Call this quantity C.

Multiply the number C by 0.0072. Call this quantity D.

Add the number 0.032 to D. Call this quantity E.

Take the square root of E. Call this quantity F.

Multiply F by 1.645. The result is the Retest Tolerance Limit.

Compute the average of all ten original XRF results.

Compute the average of all ten re-test XRF results.

Find the absolute difference of the two averages.

If the difference is less than the Retest Tolerance Limit, the inspection has passed the retest. If the difference of the overall averages equals or exceeds the Retest Tolerance Limit, this procedure should be repeated with ten new testing combinations. If the difference of the overall averages is equal to or greater than the Retest Tolerance Limit a second time, then the inspection should be considered deficient.

Use of this procedure is estimated to produce a spurious result approximately 1% of the time. That is, results of this procedure will call for further examination when no examination is warranted in approximately 1 out of 100 dwelling units tested.

BIAS AND PRECISION:

Do not use these bias and precision data to correct for substrate bias. These bias and precision data were computed without substrate correction from samples with reported laboratory results less than 4.0 mg/cm² lead. The data which were used to determine the bias and precision estimates given in the table below have the following properties. During the July 1995 testing, there were 15 test locations with a laboratory-reported result equal to or greater than 4.0 mg/cm² lead. Of these, one 30-second standard mode reading was less than 1.0 mg/cm² and none of the quick mode readings were less than 1.0 mg/cm². The instrument that tested in July is representative of instruments sold or serviced after June 26, 1995. These data are for illustrative purposes only. Actual bias must be determined on the site. Results provided above already account for bias and precision. Bias and precision ranges are provided to show the variability found between machines of the same model.

30-SECOND STANDARD MODE READING MEASURED AT	SUBSTRATE	BIAS (mg/cm ²)	PRECISION* (mg/cm ²)
0.0 mg/cm ²	Brick	0.0	0.1
	Concrete	0.0	0.1
	Drywall	0.1	0.1
	Metal	0.3	0.1
	Plaster	0.1	0.1
	Wood	0.0	0.1
0.5 mg/cm ²	Brick	0.0	0.2
	Concrete	0.0	0.2
	Drywall	0.0	0.2
	Metal	0.2	0.2
	Plaster	0.0	0.2
	Wood	0.0	0.2
1.0 mg/cm ²	Brick	0.0	0.3
	Concrete	0.0	0.3
	Drywall	0.0	0.3
	Metal	0.2	0.3
	Plaster	0.0	0.3
	Wood	0.0	0.3
2.0 mg/cm ²	Brick	-0.1	0.4
	Concrete	-0.1	0.4
	Drywall	-0.1	0.4
	Metal	0.1	0.4
	Plaster	-0.1	0.4
	Wood	-0.1	0.4

* Precision at 1 standard deviation.

CLASSIFICATION RESULTS:

XRF results are classified as positive if they are greater than the upper boundary of the inconclusive range, and negative if they are less than the lower boundary of the inconclusive range, or inconclusive if in between. The inconclusive range includes both its upper and lower bounds. Earlier editions of this *XRF Performance Characteristics Sheet* did not include both bounds of the inconclusive range as "inconclusive." While this edition of the Performance Characteristics Sheet uses a different system, the specific XRF readings that are considered positive, negative, or inconclusive for a given XRF model and substrate remain unchanged, so previous inspection results are not affected.

DOCUMENTATION:

An EPA document titled *Methodology for XRF Performance Characteristic Sheets* provides an explanation of the statistical methodology used to construct the data in the sheets, and provides empirical results from using the recommended inconclusive ranges or thresholds for specific XRF instruments. For a copy of this document call the National Lead Information Center Clearinghouse at 1-800-424-LEAD. A HUD document titled *A Nonparametric Method for Estimating the 5th and 95th Percentile Curves of Variable-Time XRF Readings Based on Monotone Regression* provides supplemental information on the methodology for variable-time XRF instruments. A copy of this document can be obtained from the HUD lead web site, www.hud.gov/lea.

This edition of the XRF Performance Characteristic Sheet was developed by QuanTech, Inc., under a contract from the U.S. Department of Housing and Urban Development (HUD). HUD has determined that the information provided here is acceptable when used as guidance in conjunction with Chapter 7, Lead-Based Paint Inspection, of HUD's *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing*

Appendix G – Inspector Certificates



DEPARTMENT OF INDUSTRIAL RELATIONS
 Division of Occupational Safety and Health
 Asbestos Unit
 2424 Arden Way, Suite 495
 Sacramento, CA 95825-2417
 (916) 574-2993 Office (916) 483-0572 Fax
<http://www.dir.ca.gov/dir/databases.html> actu@dir.ca.gov



711242295C

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ALTEC Testing & Engineering**Jay Adam Yowell****6035 Fremont Street****Riverside****CA 92504****October 29, 2014**

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, fax number or email; of any changes in your contact/mailling information within 15 days of the change.

Sincerely,

Jeff Ferrell
 Senior Safety Engineer

Attachment: Certification Card

cc: File

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

Jay Adam Yowell

Name

Certification No. **97-2295**Expires on **12/08/15**

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



Renewal - Card Attached (Revised 10/24/2012)

State of California Department of Public Health

<u>Lead-Related Construction Certificate</u>	<u>Certificate Type</u>	<u>Expiration Date</u>
	Sampling Technician	07/22/2016



Jay A. Yowell ID #: 7202

State of California Department of Public Health

Lead-Related
Construction
Certificate

Certificate
Type

Expiration
Date



Inspector/Assessor	12/08/2015
Project Monitor	12/08/2015



Lynn A. Laborde

ID #: 7203

Appendix H – CDPH 8552 Form



LEAD HAZARD EVALUATION REPORT

Section 1 — Date of Lead Hazard Evaluation 9-2-2015

Section 2 — Type of Lead Hazard Evaluation (Check one box only)

Lead Inspection
 Risk assessment
 Clearance Inspection
 Other (specify) Limited lead testing

Section 3 — Structure Where Lead Hazard Evaluation Was Conducted

Address [number, street, apartment (if applicable)]		City	County	Zip Code
Former Escondido Police Station - 700 West Grand Avenue		Escondido	San Diego	unknown
Construction date (year) of structure	Type of structure		Children living in structure?	
unknown	<input type="checkbox"/> Multi-unit building <input type="checkbox"/> School or daycare <input type="checkbox"/> Single family dwelling <input checked="" type="checkbox"/> Other <u>Police Station</u>		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Don't Know	

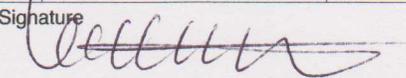
Section 4 — Owner of Structure (if business/agency, list contact person)

Name		Telephone number	
COE - Debra Lundy		760-839-4034	
Address [number, street, apartment (if applicable)]		City	State
201 N Broadway		Escondido	CA
			Zip Code
			92025

Section 5 — Results of Lead Hazard Evaluation (check all that apply)

No lead-based paint detected
 Intact lead-based paint detected
 Deteriorated lead-based paint detected
 No lead hazards detected
 Lead-contaminated dust found
 Lead-contaminated soil found
 Other Ceramic wall tile in bathrooms

Section 6 — Individual Conducting Lead Hazard Evaluation

Name		Telephone number	
Lynn Laborde		9513526510	
Address [number, street, apartment (if applicable)]		City	State
6035 Fremont Street		Riverside	CA
			Zip Code
			92504
CDPH certification number	Signature	Date	
7203		9-24-15	

Name and CDPH certification number of any other individuals conducting sampling or testing (if applicable)

Jay Yowell 7202

Section 7 — Attachments

- A. A foundation diagram or sketch of the structure indicating the specific locations of each lead hazard or presence of lead-based paint;
- B. Each testing method, device, and sampling procedure used;
- C. All data collected, including quality control data, laboratory results, including laboratory name, address, and phone number.

First copy and attachments retained by inspector
 Second copy and attachments retained by owner

Third copy only (no attachments) mailed or faxed to:
 California Department of Public Health
 Childhood Lead Poisoning Prevention Branch Reports
 850 Marina Bay Parkway, Building P, Third Floor
 Richmond, CA 94804-6403
 Fax: (510) 620-5656

