#### **ADDENDUM NO. 1**

DATE 06/26/2018

To all Bidders on the Project titled: CR\_Project-0852: Demo OLD Library, Life Science and Physical Sciences Building implementation

Reference Bid Documents dated 06/21/2018.

The attention of bidders submitting proposals for the above subject project is called to the following addendum to the Bid Docs. The items set forth herein, whether of omission, addition, substitution, or clarifications are all to be included in and form a part of the proposal submitted.

THE NUMBER OF THIS ADDENDUM (1) MUST BE ENTERED IN THE APPROPRIATE SPACE PROVIDED in the bid package.

#### **Addendum contents:**

#### Site Map -

SiteMap.jpg—This is an image taken from Google Earth showing the site of the three buildings on the campus.

#### **Building Layout Drawings -**

EC-LI-Floorplan.pdf – This is a drawing of the Old Library

EC-LS-Floorplan.pdf – This is a drawing of the Life Science Building

EC-PS-Floorplan-Upper.pdf – This is a drawing of the Physical Science building upper level.

EC-PS-Floorplan-Lower.pdf — This is a drawing of the Physical Science building lower level.

#### **HAZMAT Reports** –

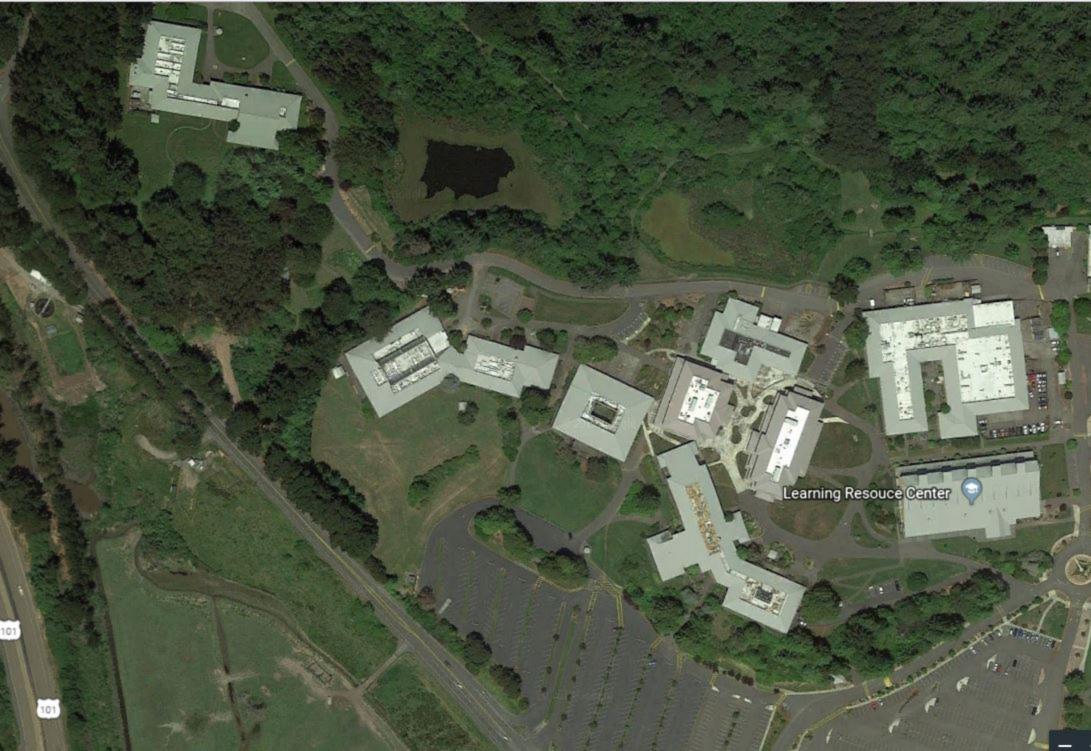
2012BakerEnvReport.pdf – this is a report from a 2012 asbestos survey of the Old Library Building at the COR main campus, 7351 Tompkins Hill Road, Eureka, California. The survey was conducted on January 25, 2012 by a Cal-OSHA Certified Asbestos Consultant.

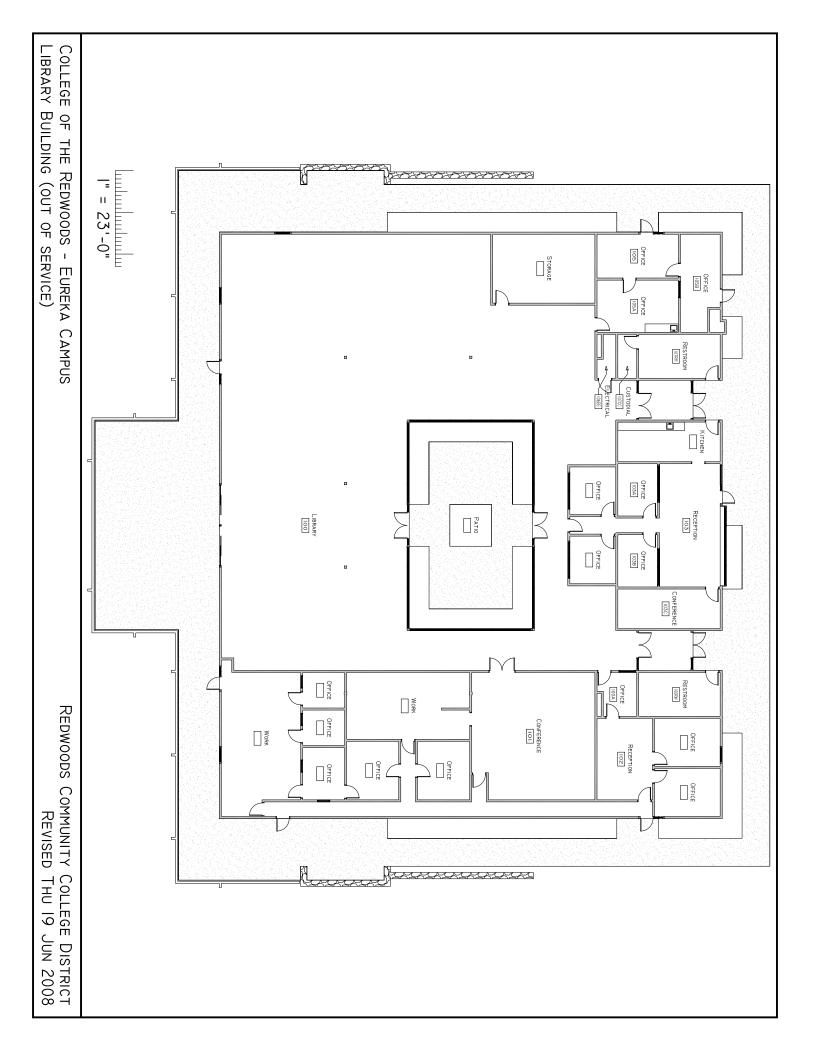
asbestos survey 2004.pdf - LIMITED ASBESTOS SURVEY FOR THE COLLEGE OF THE REDWOODS PHYSICAL EDUCATION, APPLIED TECHNOLOGY/AUTOMOTIVE SHOP, CREATIVE ARTS, PHYSICAL SCIENCE, LIFE SCIENCE, OLD LIBRARY, AND FORUM BUILDINGS EUREKA, CALIFORNIA

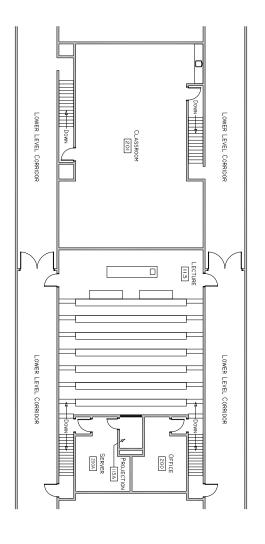
All other portions of the Contract Documents remain unchanged.

Please be reminded to acknowledge this Addendum on the bid forms.

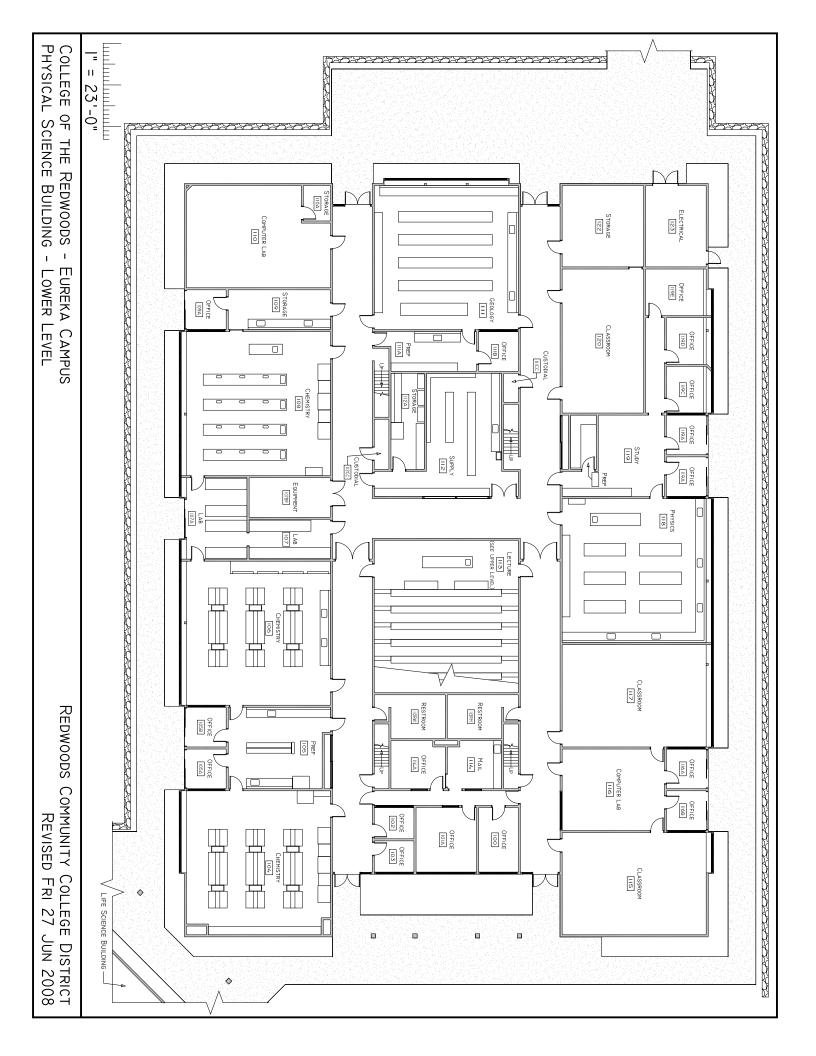
--- End of Addendum No. 1 ---







l" = 23'-0"



# BAKER ENVIRONMENTAL

Environmental Consultants

July 11, 2012

Tim Flanagan College of the Redwoods 7351 Tompkins Hill Road Eureka, California 95501

Subject: Old Library Building, COR, 7351 Tompkins Hill Road, Eureka, California – Limited

Asbestos Survey

Dear Mr. Flanagan:

Per your request BAKER ENVIRONMENTAL conducted an asbestos survey of the Old Library Building at the COR main campus, 7351 Tompkins Hill Road, Eureka, California. The survey was conducted on January 25, 2012 by a Cal-OSHA Certified Asbestos Consultant. Two copies of our survey report are attached.

Please be advised that we found regulated asbestos-containing materials (RACM's) during the survey. RACM's included thermal system insulation, drywall skim coat and drywall joint compound. These materials, if disturbed or removed or removed during the proposed renovation project must be removed by a Cal-OSHA licensed asbestos abatement contractor and disposed in accordance with state regulations. Notifications to the North Coast Air Quality Management District and Cal-OSHA are also required.

Thank you for the opportunity to be of service. We have attached our invoice for services.

Sincerely,

Terry L. Baker

CAC No. 92-0322

TB/mk

enc

ASBESTOS SURVEY REPORT COLLEGE OF THE REDWOODS OLD LIBRARY BUILDING 7351 TOMPKINS HILL ROAD EUREKA, CALIFORNIA JULY 10, 2012

#### **FOR**

# REDWOODS COMMUNITY COLLEGE DISTRICT 7351 TOMPKINS HILL ROAD EUREKA, CALIFORNIA 95501

PREPARED BY

BAKER ENVIRONMENTAL
550 N. MAIN STREET
YREKA, CALIFORNIA 96097
DOSH CERTIFIED ASBESTOS CONSULTANT NO. 92-0322

# ASBESTOS SURVEY REPORT COLLEGE OF THE REDWOODS OLD LIBRARY BUILDING 7351 TOMPKINS HILL ROAD EUREKA, CALIFORNIA JULY 10, 2012

#### **CERTIFICATION & LIMITATIONS**

This report was prepared in accordance with industry standards and regulatory requirements. Site conditions are subject to change with time therefore; the findings and opinions offered in this report by BAKER ENVIRONMENTAL represent conditions observed at the site on the dates of survey.

A diligent effort was made to identify all asbestos-containing materials and asbestos-containing construction materials during the survey. Any materials suspected to contain asbestos that are identified during renovation and or demolition of the structure must be sampled and analyzed for asbestos prior to their disturbance.

This report was prepared under the supervision of a California Industrial Relations Department, Division of Occupational Safety & Health Certified Asbestos Consultant.

By:

Terry L. Baker CAC No. 92-0322

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## ASBESTOS SURVEY REPORT COLLEGE OF THE REDWOODS OLD LIBRARY BUILDING 7351 TOMPKINS HILL ROAD EUREKA, CALIFORNIA JULY 10, 2012

#### 1.0 EXECUTIVE SUMMARY

The Redwoods Community College District retained BAKER ENVIRONMENTAL to conduct an asbestos survey of the old library building at the College of the Redwoods, 7351 Tompkins Hill Road, Eureka, California. The purpose of survey was to identify asbestos-containing materials (ACM's) prior to renovation of the building. ACM's are materials that contain more than 1% asbestos. The survey was conducted on January 25, 2012 by a Cal-OSHA Certified Asbestos Consultant.

#### Construction

The building is a one-story wood framed structure on a concrete slab foundation. The building was constructed in the 1960's.

The exterior walls are wood-framed and finished with redwood siding and trim. The original interior walls as well as the perimeter walls have drywall covered with redwood boards except for restrooms and other miscellaneous spaces. The ceilings throughout the building have sheetrock over joists and are finished with redwood boards except for offices, storage rooms and miscellaneous spaces. These rooms have drywall ceilings, or are finished with acoustic ceiling tiles or suspended ceiling panels. The existing restroom walls and ceilings are finished with drywall and painted. Ceramic wall tile is present on the lower portion of the restroom walls.

The building has been renovated within the past 15 years. Interior partition walls were constructed primarily on the north and east sides of building. The walls were typically finished with drywall, textured and painted. The rooms are finished with suspended ceiling panels or are open to original redwood finished ceilings.

Rooms throughout the building have carpet on floors except for the restrooms that have ceramic floor tiles. Exposed concrete is evident in some areas where carpet has been removed. Roof has wood decking finished with metal.

### **Sampling**

Samples of suspect ACM's were collected of representative materials throughout the COR Old Library Building during the asbestos survey. Suspect materials sampled include the following:

- Thermal system insulation in janitor room and assumed to be within restroom walls and ceilings as well as kitchen walls and ceilings. The thermal system insulation shall also be assumed to be at other locations within walls and ceilings where plumbing is present.
- Drywall tape joint compound throughout the building;
- Drywall skim coat texture throughout original portions of building in offices, kitchen, restrooms, storage rooms and miscellaneous spaces;
- Drywall texture on drywall in rooms and spaces where building has been renovated;
- Sheetrock throughout the building;
- 12"X 24" white/tan ceiling tiles in rooms 103A and 103C;
- 2'X 4' suspended ceiling tiles throughout the building;
- Brown ceramic tile adhesive in restrooms;
- Carpet adhesives throughout the building.

# The following ACM's (>1.0% asbestos) were identified in the building:

- Drywall tape joint compound on all original wall and ceilings throughout the building including but not limited to perimeter walls, interior partition walls in kitchen, restrooms, offices, conference room, storage rooms and miscellaneous spaces. The drywall tape joint compound is also on drywall behind all redwood faced walls and ceilings throughout building as well as behind spaces where acoustic ceiling tiles are attached to drywall in offices, corridors and other spaces.
- Thermal system insulation in janitor room and assumed to be within men's and women's restroom walls and ceilings as well as kitchen walls and ceilings. The thermal system insulation shall also be assumed to be at other locations within walls and ceilings where plumbing is present.
- Drywall skim coat on walls and ceilings in kitchen and men's and women's restrooms as well as room 100A.

All regulated asbestos-containing material (RACM) that will be disturbed during a renovation or demolition project must be abated (removed) by a California Division of Occupational Safety and Health (DOSH) licensed abatement contractor in accordance with applicable state and local regulations prior to their disturbance. The North Coast Air Quality Management District and Cal-OSHA have notification requirements prior to disturbance or removal of RACM.

The following RACM's were identified that must be removed by a DOSH licensed contractor prior to building renovation if they will be disturbed or removed:

 Drywall tape joint compound on all original wall and ceilings throughout the building including but not limited to perimeter walls, interior partition walls in kitchen, restrooms, offices, conference room, storage rooms and miscellaneous spaces. The drywall tape joint compound is also on drywall behind all redwood faced walls and ceilings throughout building as well as behind spaces where acoustic ceiling tiles are attached to drywall in offices, corridors and other spaces.

- Thermal system insulation in janitor room and assumed to be within men's and women's restroom walls and ceilings as well as kitchen walls and ceilings. The thermal system insulation shall also be assumed to be at other locations within walls and ceilings where plumbing is present.
- Drywall skim coat on walls and ceilings in kitchen and men's and women's restrooms as well as room 100A.

There are currently no federal, state or local regulations that require the removal of any ACM unless said materials will be disturbed during a building renovation, remodel, demolition, fire training burn or similar project. All building demolitions require notification to the U.S. Environmental Protection Agency and the North Coast Unified Air Quality Management District for projects in Humboldt County. Building renovations also require notification to the air district and EPA if regulated quantities of RACM are removed.

# ASBESTOS SURVEY REPORT COLLEGE OF THE REDWOODS OLD LIBRARY BUILDING 7351 TOMPKINS HILL ROAD EUREKA, CALIFORNIA JULUY 10, 2012

#### 2.0 INTRODUCTION

The Redwoods Community College District retained BAKER ENVIRONMENTAL to conduct an asbestos survey of the old library building at the College of the Redwoods, 7351 Tompkins Hill Road, Eureka, California. The purpose of survey was to identify asbestos-containing materials (ACM's) prior to renovation of the building. ACM's are materials that contain more than 1% asbestos. The survey was conducted on January 25, 2012 by a Cal-OSHA Certified Asbestos Consultant.

### Survey methodology included:

- 1. Visual inspection of all accessible building materials;
- 2. Determination of friability<sup>a</sup> of each material by touching;
- 3. Assessment of physical condition of each material;
- 4. Assessment of potential for disturbance and or damage;
- 5. Collection of materials suspected to be ACM;

- 6. Sample analysis by a National Voluntary Laboratory Accreditation Program (NVLAP) accredited laboratory;
- 7. Preparation of a sample location map;
- 8. Determination of quantities of ACM;
- 9. Prepare survey inspection report.

Limited destructive testing was conducted to gain access to materials located in interior spaces of walls and ceilings. No suspect ACM's were identified in interior wall and ceiling spaces that were accessed during testing other than identified in this report. Additional materials that contain asbestos may be encountered during building renovation. It is assumed that thermal system insulation (TSI) is present on domestic water system plumbing components in interior wall and ceiling spaces where plumbing is located. TSI may also be present at other locations. Construction shall be terminated upon discovery of any new building materials that were not identified during the asbestos survey. Said materials shall be considered to be ACM's until samples of materials are collected and verified by laboratory analysis to be absent for asbestos.

<sup>&</sup>lt;sup>a</sup> Friable shall mean easily crushed to powder by application of hand pressure.

#### 3.0 BUILDING STRUCTURE AND CONDITIONS

#### 3.1 BUILDING CONSTRUCTION

The building is a one-story wood framed structure on a concrete slab foundation. The building was constructed in the 1960's.

The exterior walls are wood-framed and finished with redwood siding and trim. The original interior walls as well as the perimeter walls have drywall covered with redwood boards except for restrooms and other miscellaneous spaces. The ceilings throughout the building have sheetrock over joists and are finished with redwood boards except for offices, storage rooms and miscellaneous spaces. These rooms have drywall ceilings, or are finished with acoustic ceiling tiles or suspended ceiling panels. The existing restroom walls and ceilings are finished with drywall and painted. Ceramic wall tile is present on the lower portion of the restroom walls.

The building has been renovated within the past 15 years. Interior partition walls were constructed primarily on the north and east sides of building. The walls were typically finished with drywall, textured and painted. The rooms are finished with suspended ceiling panels or are open to original redwood finished ceilings.

Rooms throughout the building have carpet on floors except for the restrooms that have ceramic floor tiles. Exposed concrete is evident in some areas where carpet has been removed. Roof has wood decking finished with metal.

#### 4.0 SAMPLING PROTOCOLS

# 4.1 SUSPECT ASBESTOS-CONTAINING MATERIALS AND ASBESTOS-CONTAINING CONSTRUCTION MATERIALS

BAKER ENVIRONMENTAL conducted an on-site visual survey of the Old Library Building on January 25, 2012 to identify suspect asbestos-containing material (ACM), asbestos-containing construction material (ACCM), and presumed asbestos-containing material (PACM). ACM is any material with an asbestos content >1,0%, ACCM is any construction material with an asbestos content >0.1%uildi. PACM is any thermal system insulation, surfacing material and resilient floor covering installed prior to 1981.

As the result of building survey it was determined that primary building materials considered as suspect ACM's, ACCM's and PACM in the project area included:

• Thermal system insulation in janitor room and assumed to be within restroom walls and ceilings as well as kitchen walls and ceilings. The thermal system insulation shall also be assumed to be at other locations within walls and ceilings where plumbing is present.

- Drywall tape joint compound throughout the building;
- Drywall skim coat texture throughout original portions of building in offices, kitchen, restrooms, storage rooms and miscellaneous spaces;
- Drywall texture on drywall in rooms and spaces where building has been renovated;
- Sheetrock throughout the building;
- 12"X 24" white/tan ceiling tiles in rooms 103A and 103C;
- 2'X 4' suspended ceiling tiles throughout the building;
- Brown ceramic tile adhesive in restrooms:
- Carpet adhesives throughout the building.

#### 4.2 SAMPLE COLLECTION LOCATIONS

BAKER ENVIRONMENTAL collected samples of suspect ACM's from the Old Library Building during the asbestos survey. Sample locations are representative of materials listed in *Section 4.1 Suspect Asbestos-Containing Materials*. See **Figure 1** for sample locations.

#### Sample Collection and Chain of Custody Procedure

Each sample was collected using a "wet method" to prevent the potential release of asbestos fibers during sample collection. Coring devices, utility knives and chisels were used to facilitate the removal of a cross-section of each sample material. Each sample was placed in a sealed container and assigned a specific sample number. The location of each sample collection point was recorded on a field drawing and a chain of custody form was prepared listing sample numbers, location and material description. The samples were then submitted to the laboratory for analysis.

#### Laboratory Accreditation and Analysis

Samples were forwarded to an asbestos laboratory for bulk asbestos analysis using the polarized light microscopy method (PLM). The PLM method and procedures are specified under the Code of Federal Regulations, 40 CFR Part 763, Appendix A to Subpart F, Section 1.2 and 1.7.2.4. The PLM detection limit for asbestos is generally >1% by volume. Sample results that are determined by the PLM method to be <1% are reported as "Trace" or <1%. A sample with "<1%" level of asbestos shall be considered to be asbestos-containing. Further analysis of the samples by the Gravimetric/Transmission Electron Microscopy Method or PLM point counting (400 points) is required to determine asbestos content below 1%.

Laboratory methodology includes the analysis of each separate layer of sample material where multiple layers exist. A typical material containing more than one layer includes floor tile with mastic. It is difficult to separate the two layers during sample collection.

The laboratory segregates the two materials and reports the asbestos content separately for the floor tile and mastic.

Laboratory accreditations include:

National Institute of Standards and Technology (NVLAP) AIHA Asbestos Analyst Registry Program

Laboratory Bulk Sample Analysis Report for the project is attached in **Appendix A**.

#### 5.0 SAMPLE RESULTS

#### 5.1 ASBESTOS-CONTAINING MATERIALS

The following asbestos-containing materials (ACM's) were identified in the former College of the Redwoods Old Library Building located at 7351 Tompkins Hill Road, Eureka, California:

- Drywall tape joint compound on all original wall and ceilings throughout the
  building including but not limited to perimeter walls, interior partition walls in
  kitchen, restrooms, offices, conference room, storage rooms and miscellaneous
  spaces. The drywall tape joint compound is also on drywall behind all redwood
  faced walls and ceilings throughout building as well as behind spaces where
  acoustic ceiling tiles are attached to drywall in offices, corridors and other spaces.
- Thermal system insulation in janitor room and assumed to be within men's and women's restroom walls and ceilings as well as kitchen walls and ceilings. The thermal system insulation shall also be assumed to be at other locations within walls and ceilings where plumbing is present.
- Drywall skim coat on walls and ceilings in kitchen and men's and women's restrooms as well as room 100A.

Table 1 includes a "Summary of Asbestos-Containing Material (ACM)- COR Old Library Building, 7351 Tompkins Hill Road, Eureka, CA."

#### 6.0 REGULATORY COMPLIANCE

Federal, state and local agencies regulate asbestos-containing material (ACM), asbestos-containing construction material (ACCM) and presumed asbestos-containing material (PACM) in commercial, industrial and institutional building in California. Residential structures are also regulated by fire departments and some air quality and building departments when scheduled for renovation, demolition or fire training.

ACM is an asbestos-containing material containing more than 1% asbestos (>1%). The Federal Occupational Safety and Health Administration regulations for asbestos (29 CFR

1910.1001) and U.S. Environmental Protection Agency National Emission Standards for Hazardous Air Pollutants (NESHAPS) include rules for the disturbance and or removal of ACM during building repair, remodel, renovation, fire training projects, demolition or similar activity.

ACCM is an asbestos-containing construction material in California containing more than 0.1% asbestos (>0.1%). Several California regulations apply when ACCM will be disturbed or removed during a building repair, remodel, renovation, demolition or similar activity. These regulations require that a building owner contract with a California Division of Occupational Safety and Health (DOSH) licensed asbestos abatement contractor when more than 100 square feet of ACCM will be disturbed or removed. The California Occupational Safety and Health Act (Cal-OSHA) Construction Standard for Asbestos (8 CCR 1529) and the General Industry Standard (8 CCR 5208) rules and regulations establish classes of work for asbestos related projects and training requirements for workers. Respiratory protection regulations, medical surveillance and personal air monitoring requirements are set forth in the regulations. Federal and state notifications for asbestos abatement projects are also established.

The California Health & Safety Code Section 25915-25924 requires that commercial building owners, lessees, and employers notify employees, contractors and tenants of the presence of ACCM in the building. Notification is required within fifteen (15) days of the date when the building owner becomes aware of the presence of asbestos in the building and shall further provide annual notification thereafter. A copy of any asbestos inspection or survey performed in the building shall be made available to building owner's employees, employers, lessees, contractors and tenants. A written notification is recommended.

Other federal, state and local rules and regulations apply to the disturbance or removal of asbestos. These rules and regulations generally require that a building owner identify ACM, ACCM and PACM in their building prior to their disturbance, removal, demolition or similar activity. Substantial fines and penalties may be levied against the building owner by one or more government agencies for failure to comply with the regulations.

The local air quality management district and Cal-OSHA must be notified prior to the disturbance and or removal of regulated asbestos-containing material (RACM). The air quality management district must be notified a minimum of 10 days prior to the disturbance of regulated quantities of RACM during building renovation or demolition projects in accordance with the National Emissions Standards for Hazardous Air Pollutants (NESHAPS). Cal-OSHA must be notified a minimum of 24 hours prior to disturbance in accordance with 8 CCR 1529.

#### 7.0 CONCLUSIONS AND RECOMMENDATIONS

#### 7.1 CONCLUSIONS

BAKER ENVIRONMENTAL concludes, as a result of the asbestos survey of the Old Library Building at the College of the Redwoods Campus, 7351 Tompkins Hill Road, Eureka, California that RACM's) are present. The following RACM's were identified:

- Drywall tape joint compound on all original wall and ceilings throughout the
  building including but not limited to perimeter walls, interior partition walls in
  kitchen, restrooms, offices, conference room, storage rooms and miscellaneous
  spaces. The drywall tape joint compound is also on drywall behind all redwood
  faced walls and ceilings throughout building as well as behind spaces where
  acoustic ceiling tiles are attached to drywall in offices, corridors and other spaces.
- Thermal system insulation in janitor room and assumed to be within men's and women's restroom walls and ceilings as well as kitchen walls and ceilings. The thermal system insulation shall also be assumed to be at other locations within walls and ceilings where plumbing is present.
- Drywall skim coat on walls and ceilings in kitchen and men's and women's restrooms as well as room 100A.

#### 7.2 RECOMMENDATIONS

The disturbance and or removal of RACM(s) and or ACCM during a building demolition, repairs, remodels or renovations are regulated by federal, state and local agencies. The U.S. Environmental Protection Agency (EPA), California Environmental Protection Agency, California Occupational Safety and Health (CAL-OSHA), California Air Resources Board and local air quality management districts have specific regulations governing asbestos disturbance or abatement.

ACM was identified in the Old Library Building, 7351 Tompkins Hill Road, Eureka. All RACM that will be disturbed or removed during a renovation or demolition project must be abated (removed) by a California Division of Occupational Safety and Health (DOSH) licensed abatement contractor in accordance with applicable state and local regulations prior to their disturbance. RACM includes:

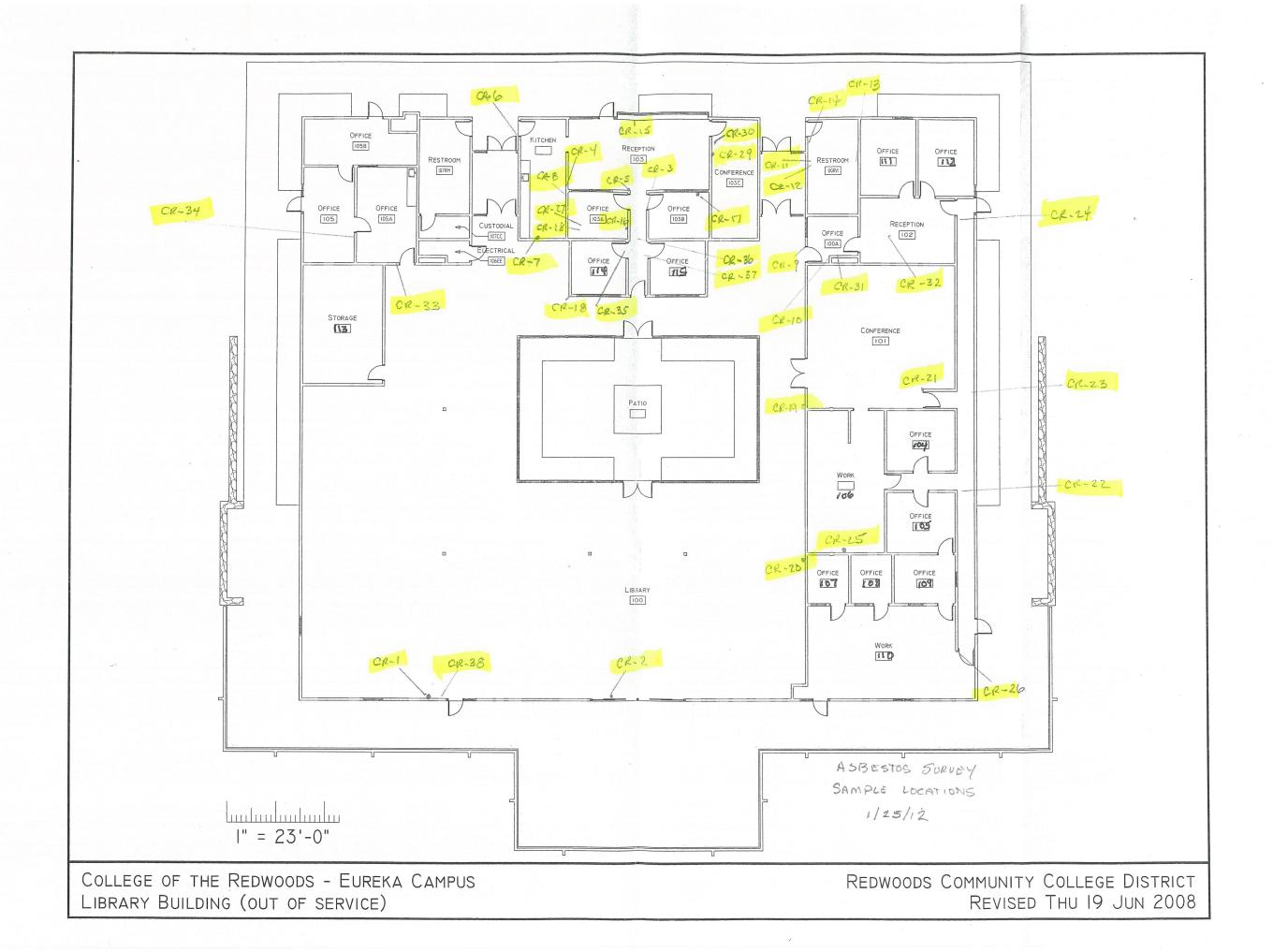
- Drywall tape joint compound on all original wall and ceilings throughout the
  building including but not limited to perimeter walls, interior partition walls in
  kitchen, restrooms, offices, conference room, storage rooms and miscellaneous
  spaces. The drywall tape joint compound is also on drywall behind all redwood
  faced walls and ceilings throughout building as well as behind spaces where
  acoustic ceiling tiles are attached to drywall in offices, corridors and other spaces.
- Thermal system insulation in janitor room and assumed to be within men's and women's restroom walls and ceilings as well as kitchen walls and ceilings. The thermal system insulation shall also be assumed to be at other locations within walls and ceilings where plumbing is present.
- Drywall skim coat on walls and ceilings in kitchen and men's and women's restrooms as well as room 100A.

The areas of the Old Library Building with asbestos-containing thermal system insulation and drywall skim coat must be removed, transported and disposed as hazardous wastes in California. Said transportation and disposal must be in accordance with State of California regulations that require hazardous waste manifests and approved disposal sites. The remaining RACM including drywall joint compound must be transported to and disposed at a state approved disposal site.

TABLE 1
SUMMARY OF ASBESTOS-CONTAINING MATERIAL (ACM)-COR OLD LIBRARY BUILDING, 7351 TOMPKINS HILL ROAD, CALIFORNIA

Sample#	Space	Description	Location	%Asbestos	Friab	ole Quantity <sup>1</sup>
CR-1 to CR-10 CR-13,CR-14 CR-28,CR-30 CR-31,CR-33	Throughout Bldg. (Original Construction)	Drywall joint compound	Walls/ceilings	2-3	No	Throughout
CR-3 to CR-10 CR-13, CR-14	Restrooms, Kitchen Custodial, Office 100A	Drywall texture/skim coats	Walls	2-3	Yes	Throughout
N/A	Restrooms, Custodial 103 Kitchen, Misc. Locations	Thermal system insulation	Walls/ceilings	Assumed	Yes	Throughout

<sup>1</sup> Quantities of materials listed are approximate.



•		
	e e	
	ABBUILDING	
	APPENDIX A	



### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No.

203831

B254

Account Number:

Date Received: Received By:

01/27/2012 Morgan Lane

Date Analyzed:

01/30/2012

Analyzed By: Methodology: Gayle Ooten

EPA/600/R-93/116

Client: Baker Environmental

550 N Main St

Yreka, CA 96097

Project: College of the Redwoods

Project Location: 7351 Tompkins Hill Road, Eureka, CA

Project Number: 1151

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)		Non-Asbestos Fiber (%)		Non Fibrous
001	CR-1	Homogeneous	White Joint Compound	Asbestos Present Chrysotile	2	NA		CaCO3 Binder
						· * v		
002	CR-2	Homogeneous	White Joint Compound	Asbestos Present Chrysotile	3	Cellulose	<1	CaCO3 Binder
003	CR-3	Homogeneous	White Joint Compound	Asbestos Present Chrysotile	3	NA		CaCO3 Binder
004	CR-4	Homogeneous	White Joint Compound	Asbestos Present Chrysotile	2	Cellulose	<1	CaCO3 Binder
	•							
005	CR-5	Homogeneous	White Joint Compound	Asbestos Present Chrysotile	3	NA		CaCO3 Binder
006	CR-6	Homogeneous	White Joint Compound	Asbestos Present Chrysotile	3	Cellulose	<1	CaCO3 Paint
						•		
007	CR-7	Homogeneous	White Joint Compound	Asbestos Present Chrysotile	2	NA		CaCO3 Paint

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



# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 203831

Account Number:

B254

Date Received:

01/27/2012

Received By:

Morgan Lane

Date Analyzed: Analyzed By:

01/30/2012

Gayle Ooten

Methodology:

EPA/600/R-93/116

Client: Baker Environmental

550 N Main St

Yreka, CA 96097

Project: College of the Redwoods

Project Location: 7351 Tompkins Hill Road, Eureka, CA

Project Number: 1151

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)		Non-Asbestos Fiber (%)		Non Fibrous
008	CR-8	Homogeneous	White Joint Compound	Asbestos Present Chrysotile	2	Cellulose	<1	CaCO3 Paint
009	CR-9	Homogeneous	White Joint Compound	Asbestos Present Chrysotile	3	NA	**	CaCO3 Binder
010	CR-10	Homogeneous	White Joint Compound	Asbestos Present Chrysotile	3	Cellulose	<1	CaCO3 Binder
011	CR-11	Homogeneous	White Sheetrock	Asbestos Not Present		Cellulose	5	Gypsum
012	CR-12	Homogeneous	Tan Mastic	Asbestos Not Present		Cellulose	6	Glue
013	CR-13	Homogeneous	White Joint Compound	Asbestos Present Chrysotile	2	NA ·		CaCO3 Binder
014	CR-14	Homogeneous	White Joint Compound	Asbestos Present Chrysotile	3	NA		CaCO3 Binder

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



# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 203831

Account Number:

B254

Date Received:

01/27/2012

Received By:

Morgan Lane

Date Analyzed:

01/30/2012

Analyzed By: Methodology:

Gayle Ooten

EPA/600/R-93/116

Client: Baker Environmental

550 N Main St

Yreka, CA 96097

Project: College of the Redwoods

Project Location: 7351 Tompkins Hill Road, Eureka, CA

Project Number: 1151

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
015	CR-15	Homogeneous	White	Asbestos Not Present	Cellulose <1	CaCO3
		•	Texture			Paint
			•			
016	CR-16	Homogeneous	White	Asbestos Not Present	NA	CaCO3
			Texture			Paint
017	CR-17	Homogeneous	White	Asbestos Not Present	NA	CaCO3
			Texture			Paint
018	CR-18	Homogeneous	White	Asbestos Not Present	NA	CaCO3
			Texture			Paint
		•				
019	CR-19	Homogeneous	White	Asbestos Not Present	Cellulose <1	CaCO3
			Texture			Paint
020	CR-20	**	**	**	Not Analyzed	
	•		**			
No Sample in	Container					
021	CR-21	Homogeneous	White	Asbestos Not Present	NA	CaCO3
			Texture			Paint

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



## Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 203831

B254

Client: Baker Environmental

550 N Main St

Yreka, CA 96097

Date Received:

Account Number:

01/27/2012

Received By:

Morgan Lane

Date Analyzed:

01/30/2012

Project: College of the Redwoods

Analyzed By:

Gayle Ooten

Project Location: 7351 Tompkins Hill Road, Eureka, CA

Methodology:

EPA/600/R-93/116

Project Number: 1151

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
022	CR-22	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
					<u> </u>	
023	CR-23	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
024	CR-24	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
025	· CR-25	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
026	CR-26	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
027	CŖ-27	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 7	5 Paint Binder
028	CR-28	Homogeneous	White Joint Compound	Asbestos Present Chrysotile <1	Cellulose	2 CaCO3 Binder

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



### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 203831

Account Number:

B254

Date Received:

01/27/2012

Received By:

Morgan Lane

Date Analyzed: Analyzed By:

Methodology:

01/30/2012

Gayle Ooten

EPA/600/R-93/116

Client: Baker Environmental

550 N Main St

Yreka, CA 96097

Project: College of the Redwoods

Project Location:

7351 Tompkins Hill Road, Eureka, CA

Project Number: 1151

QuanTEM Client Color / Non-Asbestos Non Fibrous Sample ID Sample ID Composition Description Asbestos (%) Fiber (%) 029 CR-29 Homogeneous White Asbestos Not Present Cellulose 75 Paint Binder Ceiling Tile 030 CR-30 Homogeneous White CaCO3 Asbestos Present Cellulose Binder Chrysotile 2 Joint Compound 031 CR-31 White Homogeneous Asbestos Present Cellulose CaCO3 Binder Chrysotile 2 Joint Compound 032 CR-32 White Homogeneous Asbestos Not Present Cellulose Paint Perlite Glass Fiber 30 Ceiling Tile 033 CR-33 Homogeneous White Asbestos Present NA CaCO3 Binder Chrysotile 2 Joint Compound 034 CR-34 Homogeneous Brown Asbestos Not Present NA Glue Carpet Mastic 035 CR-35 Homogeneous Yellow Asbestos Not Present Cellulose Glue <1 Carpet Mastic

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



### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 203831

Account Number:

B254

Date Received:

01/27/2012

Received By:

Morgan Lane

Date Analyzed: Analyzed By: Methodology:

01/30/2012

Gayle Ooten

EPA/600/R-93/116

Client: Baker Environmental

550 N Main St Yreka, CA 96097

Project: College of the Redwoods

Project Location: 7351 Tompkins Hill Road, Eureka, CA

Project Number: 1151

ر ب			J			
QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
036	CR-36	Homogeneous	Yellow Carpet Mastic	Asbestos Not Present	NA `	Glue
037	CR-37	Homogeneous	Brown Carpet Mastic	Asbestos Not Present	NA	Glue
038	CR-38	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose	3 Gypsum

Gayle Ooten, Analyst

1/31/2012

Date of Report



# **Asbestos Chain-of-Custody**

2033 Heritage Park Drive, Oklahoma City, OK 73120-7502 (800) 822-1650 (405) 755-7272 Fax: (405) 755-2058 www.quantem.com

Page of 2

This Box for Lab Use Only		- 7
Lab No. 2036	21	
Accept	Reject	

Dakor E	nvironment	tal	Acct.#: B254	Project Name:	COLLEGE OF TI	LE KED WOODS
Company Name: Baker E	TOUNT	NS HILL ROAD EURE			1/51	
Project Location: 133 (	То Ве	Color / Description	Volume / Area (if applicable)	Comments	1	AL DOCUMENT
Sample Number	Analyzed		(II applicable)		Pleas	se Print Legibly
		OLD LIBRARY				
CR-1		Joint Loupound'	Em 100		PLM	TEM
CR-E		(1)	RM 100	0 /03/21	Bulk Analysis (EPA 600/R-93/116)	Air - AHERA
CP-3	[	1	HAY (WHU!		400 Point Count	Air - NIOSH 7402
CP-4			HALL (well		1000 Point Count	Bulk - Qualitative { Yes / No } - EPA 600/R-93/116
CR-5		Joint Coupound /Skim Cont		(west wail)	Gravimetric Preparation Fee	Bulk - Quantitative [weight %] - Chatfield
CR-14		ic of / "		(South w Ais)	Other	Dust - Qualitative [Yes / No]
<u>CR-7</u>		is is a u		( EVAST WALL)		Dust - Quantitative [fibers/sq.cm] - ASTM D5755
CR-8		11 " / SKIM CONT		DALW WAL		Drinking Water - EPA 100.0
CR-9		11 " SKINIOHT		ACS. WALL		Waste Water - EPA 600/4-83-043
CP-10		Sheetrock	LOOMENS POR	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Other	Other
CR-11 CR12		Brown Ceremic File ADHEST		Cw. wrig		
CR-13		Joint Compand Skin COA	1	(E. WALL)	TURNAROUND TIME	CONTACT INFORMATION
CRIH		11 11 11 11 11 11	11 11	W. WALL	Rush	Phone (530) 515-6370
		NEW WORK			Same Day	18147
CR-15	—	Drywa Texture		Cps. WHIL)	24 Hour	Phone (530) 515-4310
CR-10		11	Run 163A	(E. WALL)	3-Day	Report Results VIA (CHOOSE ONE):
CR-17	<u> </u>	( , ,	Run 1036	( No WAU)	5-Day	FAX:
CK-18	X	11 11/Joint leapour	Dn 100 C	CNWAIL		QuanTEM WebSite
				Date/Tims	Date Sampled:   Sampled By:	E-Mail:
Rolinguished By	1300	1/26/12 ARELIVED MAG	an Lane	1/27/1210:15	1/21 TERRY	
Railinguished By	1700	Dats/Time VIA Received By		Date/Time	12 BAKE	
		1 . 1				

# LABORATORIES

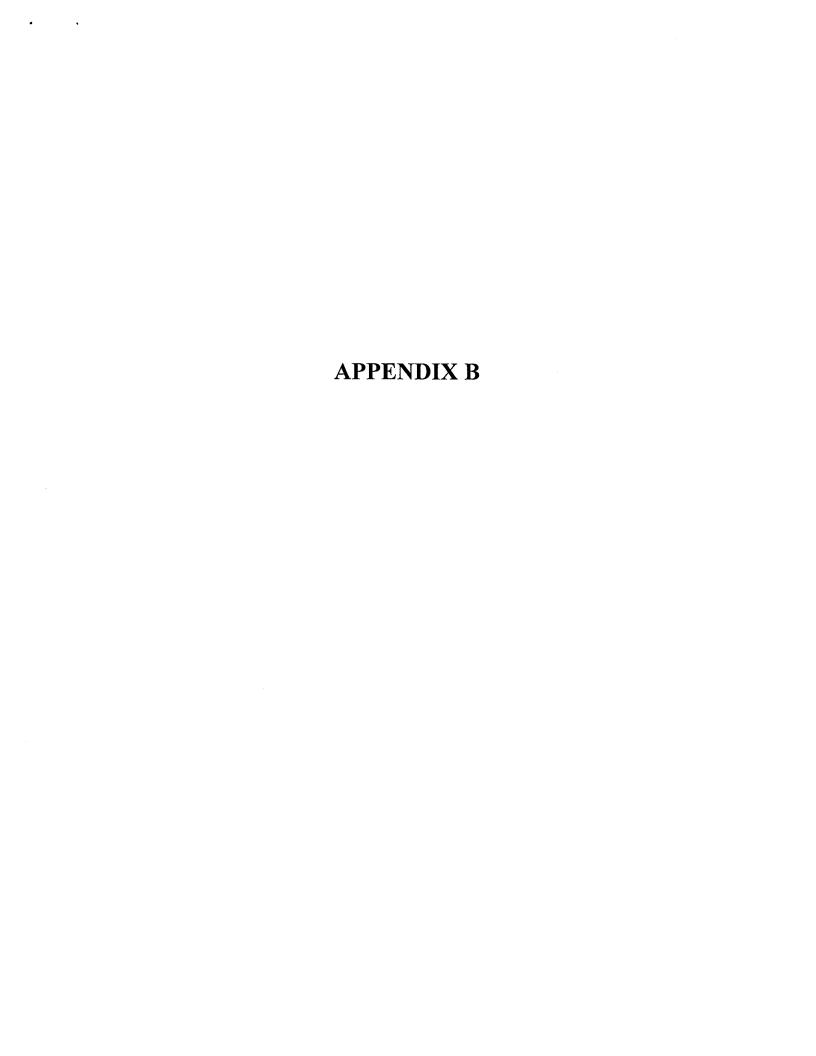
# **Asbestos Chain-of-Custody**

2033 Heritage Park Drive, Oklahoma City, OK 73120-7502 (800) 822-1650 (405) 755-7272 Fax: (405) 755-2058 www.quantem.com

Page_	2_of_	2_
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This Box for Lab Use Only		
202631		•
Lab No. 203001		
	Reject	
Accept	Kejeci	

Company Name: Baker Environmental			Acct.#: <u>B254</u>	Project Name:	COLLEGE OF TH	FE REDWOODS
Company Name: Baker Enviro	ווווכוו	ta:		Project Number:		
Project Location: 7351 Tour	pkins	HILLROAD, EUREKA,	, Cor	Project Number:	710.	
	To Be	Color / Description	Volume / Area	Comments	LEG	AL DOCUMENT
Sample Number	Analyzed	Color / Description	(if applicable)		Pleas	se Print Legibly
		Now work		6 .		
CR-14		DRYWHI TEXTURE		WALL CAN 108		TEM
Cr-20		W H	Ren 100 @ E	WALLWOOD	Bulk Analysis (EPA 500/R-93/116)	Air - AHERA
CR-21		Jointingours Hastane	Pm 101 15	DECT 11070 WA	400 Point Count	Air - NIOSH 7402
CRZZ	111	" " "		Re 101	1000 Point Count	Bulk - Qualitative [Yes / No] - EPA 600/R-93/116
CR-23	14	10 00 19		e a len 102	Gravimetric Preparation Fee	Bulk - Quantitative [welght %] - Chatfield
CR-24	1 11	<u> </u>	Rentole @	< 13 HIL	Other	Dust - Qualitative [Yes / No]
CR-25			Ren tole Co	E. CERRINA		Dust - Quantitative [fibers/sq.cm] - ASTM D5755
CR-26				S. Cedin's	PCM	Drinking Water - EPA 100.0
CR.27	<u>                                   </u>	12" 24" White MAN Ceching 71	1/ 1/	11 10 11	NIOSH 7400	Waste Water - EPA 600/4-83-043
cr-28		Joint Compronis		(w. Pulis	Other	Other
C12-29		12" x 24 " Whit franceslang Ti	1 1030	11	)	
CR-30	-   -	Joint Como Cryo	l	(s. Cerlin)	TURNAROUND TIME	CONTACT INFORMATION
CR-31	1 1	11 10 1 20 0	2 (1)	Cu. Cules	Rush	Name:
CR-32		2'x4' Ceeling Panilo	in 1051	(S.WALL)	Same Day	TEKNBAKON
CK-33	4 []	Joint Compound		(e. Floor)	24 Hour	Phone: (530) 515-6370
CR-34		Brown CARPUT Maglin		e lacriour	3-Day	Report Results VIA (CHOOSE ONE):
CR-35		TAN Count Adversive		CS)@114	5-Day	FAX:
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University of California Berkeley



This certifies that

# Terry L Baker

has attended the eight hour course

AHERA Refresher for Asbestos Inspectors and Management

Planners and has completed the requisite training for asbestos accreditation under TSCA Title II

January 30, 2012

Course Date

COEH Director

Date of Exam: January 30, 2012 Expiration Date: January 30, 2013 Continuing Education Director

Barbara OFloo

Certificate Number: BIMP124-12

Cal/OSHA Approval Number: CA-002-06 / CA-002-08

Center-for Occupational and Environmental Health Continuing Education Program
UC Berkeley Mailcode 5120, 2223 Fulton Street, 2nd Floor, Berkeley, CA 94720-5120 Ph.: (510) 643-7277 Fax: (510) 643-7291





University of California Berkeley

This certifies that

# Terry L Baker

has attended the eight hour course

AHERA Refresher for Asbestos Contractors & Supervisors

and has completed the requisite training for asbestos accreditation under TSCA Title II

January 31, 2012

Course Date

COEH-Director

Expiration Date: 31, 2012 January 31, 2013 Continuing Education Director

Barbara Plan

Certificate Number: Cal/OSHA Approval Number! CA-002-04

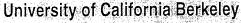
Center for Occupational and Environmental Health Continuing Education Program

UC Berkeley-Mailcode 5120, 2223 Fulton Street, 2nd Floor, Berkeley, CA 94720-5120

Ph: (510) 643-7277

Fax: (510) 643-7291







This certifies that

# Terry L Baker

has attended the eight hour course

AHERA Refresher for Asbestos Abatement Project Designers

and has completed the requisite training for asbestos accreditation under TSCA Title II

February 1, 2012 Course Date

**COEH Director** 

Date of Exam: Expiration Date: February 1, 2012 February 1, 2013 Continuing Education Director

Certificate Number: Certificate Number: PD45-12 Cal/OSHA Approval Number: CA-002-10

Center for Occupational and Environmental Health Continuing Education Program UC Berkeley Mailcode 5120, 2223 Fulton Street, 2nd Floor, Berkeley, CA 94720-5120 Ph: (510) 643-7277 Fax: (510) 643-7291

# State of California Division of Occupational Safety and Health

# **Certified Asbestos Consultant**

# Terry L Baker

Name

Certification No.

92-0322

Expires on \_

07/15/12

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.

LIMITED ASBESTOS SURVEY
FOR THE COLLEGE OF THE REDWOODS
PHYSICAL EDUCATION,
APPLIED TECHNOLOGY/AUTOMOTIVE SHOP,
CREATIVE ARTS, PHYSICAL SCIENCE,
LIFE SCIENCE, OLD LIBRARY, AND
FORUM BUILDINGS
EUREKA, CALIFORNIA

January 2004

Prepared for:
Mr. Tim Flanagan
Building & Grounds Supervisor
College of the Redwoods
7351 Tompkins Hill Rd.
Eureka, CA 95503-9300

Prepared by:
Winzler & Kelly Consulting Engineers
633 Third Street
Eureka, California 95501
(707) 443-8326

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# LIMITED ASBESTOS SURVEY FOR THE COLLEGE OF THE REDWOODS PHYSICAL EDUCATION, APPLIED TECHNOLOGY/AUTOMOTIVE SHOP, CREATIVE ARTS, PHYSICAL SCIENCE, LIFE SCIENCE OLD LIBRARY, AND FORUM BUILDINGS EUREKA, CALIFORNIA

### I. PURPOSE

Winzler & Kelly Consulting Engineers (Winzler & Kelly) conducted a limited asbestos survey in order to locate and quantify the presence of asbestos in select areas of the following College of the Redwoods structures: Physical Education Building (HV-4, HV-5, HV-8, Pool Filter Room Attic, and Equipment Room), Applied Technology/Automotive Shop Building (Community and Economic Room Heating Unit, Roof and Attics, and Automotive Garage Heat Shields), Creative Arts Building (HV-4, HV-5, Roof and Attics), Physical Science Building (Roof and Attics), Life Science Building (Roof and Attics), Old Library (Roof), and Forum (Theatre Backstage Heating Unit, Room FM 103, Roof and Attics). The survey was conducted only in the previously mentioned areas and not throughout the entire structures, therefore it is considered a limited asbestos survey.

### II. EXECUTIVE SUMMARY

A limited asbestos survey was conducted in order to evaluate the presence of asbestos containing materials in the mechanical rooms, interior rooms, roofs and attics of the structures mentioned above.

Sampling on the roofs was conducted only on heating ventilation and air conditioning (HVAC) components. Roofing materials were not sampled.

Thermal system insulation (TSI) was sampled extensively throughout the structures as mentioned above. Predominantly, the TSI consists of spun glass "fiberglass", however several elbows were found with an insulating material containing asbestos. Therefore, any elbows, straights, or tees covered with a material not consisting of spun glass should be assumed asbestos-containing.

In addition, a white patching (referred to as a mastic by College of the Redwoods employees) was sampled and found to contain asbestos. The patching/mastic was located on ducting and was observed in several locations throughout the campus. A gray sealant applied to seams and ends of piping insulation systems was also noted throughout the campus. It too was sampled and found to contain asbestos. The patching/mastic and gray sealant should be treated as asbestos-containing in all locations.

Several samples of joint compound were obtained from the structures. Asbestos was detected in all joint compound samples. Any wall or ceiling consisting of a joint compound/sheetrock system should also be assumed asbestos-containing.

An asbestos-containing glue was found on "flexible duct connectors" off the air handlers in the mechanical room, HV-5, of the Physical Education Building. It was difficult to determine which flexible duct connectors contained the glue and which did not. In order to make the determination the connectors would have had to be destroyed, therefore the connectors should simply be presumed to contain the asbestos-containing glue.

Asbestos containing building materials (ACBM) and asbestos containing construction materials (ACCM), as listed below, were found in the following locations:

#### **Physical Education Building**

#### HV-5 Mechanical Room

✓ Yellow mastic on flexible black duct connector off the air handlers

#### HV-8 Mechanical Room

✓ Transite piping, 4" diam. (Not sampled – presumed asbestos-containing)

#### Applied Technology/Automotive Shop Building

#### Automotive Shop

✓ Covering on top of heat shields

#### Machine Shop

✓ Covering on top of heat shields

#### Applied Technology

- ✓ TSI, 3" diam. horizontal
- ✓ White patching on round ducting off heating unit
- ✓ White patching on ducting
- ✓ TSI, 4" diam. horizontal between green fiberglass and loose debris beneath
- ✓ TSI, 2.5" diam. horizontal

#### **Creative Arts Building**

#### HV-4 Mechanical Room

✓ Joint compound

#### HV-5 Mechanical Room

✓ Joint compound

#### Physical Science Building

- ✓ Seam sealant, gray on 3" and 5" diam. TSI
- ✓ Seam sealant, gray
- ✓ End sealant, gray on 3.5" diam. horizontal with metal jacket
- ✓ Seam sealant, gray on 3.5" diam. horizontal with metal jacket
- ✓ End sealant, gray on 4" diam. horizontal with metal jacket

#### Life Science Building

- ✓ End sealant, gray on 5" diam. horizontal
- ✓ Transite piping, 5" diam. (Not sampled presumed asbestos-containing)

#### **Old Library**

- ✓ Elbow sealant, gray on 4" diam. elbow
- ✓ End sealant, gray on 3" diam. horizontal

#### Forum

- ✓ Joint Compound
- ✓ TSI, 3" diam. elbow
- ✓ End sealant, gray
- ✓ Loose debris (likely TSI)
- ✓ TSI, 2.5" diam. elbow
- ✓ TSI, 3.75" diam, elbow

See Tables 1A-1G for sample locations, asbestos containing materials and quantities.

### III. ASBESTOS - SURVEY METHODOLOGY

Winzler & Kelly collected suspected asbestos-containing building materials at the above-mentioned locations on December 11, 16, 17 and 18, 2003 and January 7, 2004. After transport to the Winzler & Kelly office, the samples were submitted to RJ Lee Group, Inc., under chain-of-custody, for identification of asbestos content. Duplicate samples were submitted to Forensic Analytical, Inc., under chain of custody, for identification of asbestos content.

All findings, conclusions, and analytical data presented in this report are based on the information obtained from working knowledge of the structures and information (field inspection and sampling data) obtained by Winzler & Kelly's inspection during the survey.

Each suspect asbestos-containing material (ACM) identified was bulk sampled in general accordance with sampling guidelines established by the Environmental Protection Agency and 29 CFR 1926.1101. The following summarizes the sampling procedures utilized.

- The general location of each ACM was tabulated and marked on corresponding maps. For ease of determining sample locations, samples collected from the roof were deemed "exterior" whether they were taken inside an attic off the roof or simply on the roof itself. Samples obtained from mechanical rooms or inside of the respective structures were considered "interior".
- These materials were then categorized into homogeneous materials. A homogeneous material is defined as being uniform in texture, color, and date of application.
- A sampling scheme was developed based upon the location and quantity of the various homogeneous materials. Sample numbers were recorded on data sheets and each sample was

categorized as a miscellaneous material (MM), surfacing material (SM), or thermal system insulation (TSI). Further, the condition of the sample material was classified into AHERA damage categories in addition to assessing friability. The classifications are as follows:

Not damaged (ND)- no damage

<u>Damaged</u> (DG) - loss of cohesion or adhesion properties wherein <25% of the damage is localized, or <10% of the damage occurs in the overall area.

Significantly Damaged (SD)- loss of cohesion or adhesion properties wherein >25% of the damage is localized, or >10% of the damage occurs in the overall area.

Friable- can easily be crumbled when dry

Non-Friable- not easily crumbled when dry

<u>Potential for Significant Damage</u> - Applies to friable ACBM that is in a regularly occupied area, wherein a reasonable likelihood exists that the material or its covering will become significantly damaged, deteriorated, or delaminated due to factors including, but not limited to, accessibility, vibration, or air erosion.

- ❖ Bulk samples were collected by a Winzler & Kelly Cal /OSHA Certified Asbestos Consultant (CAC) and a Certified Site Surveillance Technician (CSST) using appropriate sampling tools and leak-tight containers.
- Decontamination of bulk sampling tools was used to prevent the spread of secondary contamination to subsequent bulk samples.
- ❖ Each bulk sample was individually numbered and recorded on a Bulk Sample Log and sent to RJ Lee Group, Inc.
- ❖ The samples were analyzed by Polarized Light Microscopy (PLM) following National Institute of Occupational Safety and Health (NIOSH) Method 9002. Tables 1A-1G outline the sample number, sample description, sample location, and the concentration of asbestos, if any and quantities of asbestos containing materials. Laboratory data and chain of custody forms are included in Appendix A. Asbestos sample locations can be found in Figures 1-10, Appendix B.

#### IV. CONCLUSIONS AND RECOMMENDATIONS FOR ASBESTOS

Asbestos containing building materials (ACBM), as listed below, were found in the following locations:

#### **Physical Education Building**

HV-5 Mechanical Room

✓ Yellow mastic on flexible black duct connector off the air handlers HV-8 Mechanical Room

✓ Transite piping, 4" diam. (Not sampled – presumed asbestos-containing)

### Applied Technology/Automotive Shop Building

#### Automotive Shop

✓ Covering on top of heat shields

#### Machine Shop

✓ Covering on top of heat shields

#### Applied Technology

- ✓ TSI, 3" diam. horizontal
- ✓ White patching on round ducting off heating unit
- ✓ White patching on ducting
- TSI, 4" diam. horizontal between green fiberglass and loose debris beneath
- ✓ TSI, 2.5" diam. horizontal

### Creative Arts Building

#### HV-4 Mechanical Room

✓ Joint compound

#### HV-5 Mechanical Room

✓ Joint compound

#### Physical Science Building

- ✓ Seam sealant, gray on 3" and 5" diam. TSI
- ✓ Seam sealant, gray
- ✓ End sealant, gray on 3.5" diam. horizontal with metal jacket
- Seam sealant, gray on 3.5" diam. horizontal with metal jacket
- ✓ End sealant, gray on 4" diam. horizontal with metal jacket

#### Life Science Building

- ✓ End sealant, gray on 5" diam. horizontal
- ✓ Transite piping, 5" diam. (Not sampled presumed asbestos-containing)

See Tables 1A-1G for sample locations, asbestos containing materials and quantities.

There are six regulations that either require or imply that an asbestos inspection must be done prior to work being done that will disturb (disrupt the matrix, crumble, pulverize or generate visible debris) ACM. The first is the NESHAP regulation which requires an inspection prior to a demolition or a renovation over the notification amounts. The second is the OSHA Asbestos Standard for the construction Industry which requires TSI, surfacing, and flooring to be treated as ACM if they are present in buildings constructed before 1981. The third stems from the Cal/OSHA IIPP requirements for hazard determination and inspection. The fourth is the California Asbestos Notification Act. The fifth is the Hazard Substances Removal Contract requirements in California, while the sixth is California Labor Code 6501.9 which indicates the building owner must determine if asbestos containing construction material (ACCM) is present prior to contracted work (>0.1% asbestos).

According to the National Emission Standard for Hazardous Air Pollutants (NESHAP), asbestos-containing building material (>1% asbestos) must be removed prior to demolition or renovation, if the material is considered to be a Regulated Asbestos-Containing Material (RACM), and which will be disturbed (made friable). RACM is generally defined as all <u>friable</u> asbestos containing material and <u>non-friable</u> material, which contain >1% asbestos, that will become friable during renovation. The North Coast Unified Air Quality District must be notified for all demolitions falling under this category and must be notified for any renovations that disturb RACM (friable or non friable that will become friable) above the notification amounts. The EPA notification amounts are 160 square feet and 260 linear feet. Typically the EPA is notified when dry removal or non-standard work practices are proposed.

The California Business and Professions Code, Section 7058.5 et. seq. requires asbestos abatement contractors to be certified with the Contractor State Licensing Board (in addition to being registered annually with CAL-OSHA). They must be certified if, at one job site, at one time, they ever engage in asbestos-related work involving 100 square feet or more of asbestos-containing construction materials (ACCM), which is defined as containing >0.1% asbestos. Practices for asbestos removal are regulated by CAL-OSHA. The Safe Drinking Water and Toxic Enforcement Act of 1986 (Prop 65), regulates chemicals in California that cause cancer or reproductive toxicity. The list of chemicals involved is published in Division 2 of Title 22, beginning with Section 12000. Asbestos is on this list. In addition, a Report of Use form must be filed with CAL-OSHA when a carcinogen is disturbed during renovation or demolition.

In addition to Prop 65 signage, building owners also have responsibilities to provide a safe work environment and must notify employees and contractors working inside a building known to contain asbestos. Two of these specific laws are the Asbestos Notification Act (California Health and Safety Code, Section 25915 et. seq.) and Proposition 65.

The Asbestos Notification Act applies to building owners, professional property managers of and tenants in non-residential buildings built before 1979 who know of asbestos containing construction materials (ACCM) (>0.1% asbestos) in their buildings. They must provide a specific written notification to employees and contractors in the building. Results of inspections, sampling, etc. must be shared, warning signs posted, and various other actions taken. This notification must be done each year. In addition, a supplemental notification must be done within 90 days of a change in the material or the receipt of additional sampling results. A copy of this notice must be given to every co-owner or tenant. Tenants who receive this notice are required to notify their employees.

The Asbestos Notification Act is a complicated regulation and is interpreted differently by many individuals. Winzler & Kelly strongly encourages College of the Redwoods to obtain legal advice before developing a response to this regulation. Once in place, this notice can serve as a regular reminder that the building owner is safely and effectively managing the ACCM in the building.

Under Section 25359.7 of the Health and Safety Code, owners of real estate property who know of or have reasonable cause to believe that ACM is present must disclose that prior to sale. Proposition 65 involves the public notification and warning required by the regulation. There is controversy on how to appropriately comply. In general, unless the ACM in a building is damaged and thus the owner believes it is contaminating air in the building, the owner does not have to specifically post the Proposition 65 warning sign (just for the asbestos). On the other hand, these warning signs should be displayed whenever and wherever asbestos work is being done. Many building owners routinely add the Proposition 65 warning as part of their compliance with the Asbestos Notification Act (See Sections 25249.5 & 25249.6 of the Health & Safety Code).

In addition to the above-mentioned regulation, the following regulations will most likely apply to any renovation proposal:

- ✓ Section 25914.1-3 Health and Safety Code
- ✓ Section 25359.7 Health and Safety Code
- ✓ Section 19827.5 Health and Safety Code
- ✓ 29 CFR 1910.1001
- ✓ 29 CFR 1926.1101
- ✓ 40 CFR Part 61, Subpart M (NESHAP)
- ✓ 8 CCR Article 4, 1529
- ✓ 8 CCR Article 110, 5208
- ✓ Labor Code Section 9000 et. seq.
- ✓ Labor Code section 6501.9
- ✓ 8 CCR Article 2.5. Section 341.6 et. seq.
- ✓ 8 CCR Article 2.5, Section 341.9
- ✓ Asbestos Hazard Emergency Response Act (AHERA)

Asbestos regulations are complicated and are subject to change. The intent of the above information is to advise you of some of the regulations that may affect you, but is not intended to be an all-encompassing discussion of asbestos regulations.

### V. <u>ABATEMENT STRATEGY</u>

Once College of the Redwoods decides if the structures will have activities that might impact asbestos containing building materials, it is recommended to prepare specifications for the removal. As stated earlier in this report, asbestos only needs to be removed if it is going to be impacted during renovation or demolition activities, or repaired if it is damaged. Abatement specifications will include details of the abatement process including, but not limited to, scope of work, notifications, submittals, materials, equipment, asbestos material removal procedures, disposal procedures, air clearance, criteria and OSHA personal air monitoring requirements.

Tables 1A-1G are a summary of Asbestos Laboratory Data and Quantities.

Sample Number	Sample Description	Location	Asbestos W Type	Friable vs. Non-Friable	Quantity	Comments
WK/1664-1 Equipment Room	TSI – spun glass, 3" diam. horizontal	Equipment room, helmet and film storage room, northeast corner off radiator	None Detected	NA	NA	NA
WK/1664-2 HV-4	Duct fabric, white	HV-4 Mechanical room, south side	None Detected	NA	NA	NA
WK/1664-3 HV-4	TSI – spun glass on ducting under fabric	HV-4 Mechanical room, south side	None Detected	NA	NA	NA
WK/1664-4 HV-4	Duct fabric, white	HV-4 Mechanical room, south side	None Detected	NA	NA	NA
WK/1664-5 HV-4	TSI – spun glass on ducting under fabric	HV-4 Mechanical room, south side	None Detected	NA	NA	NA
WK/1664-6 HV-4	Duct fabric, white	HV-4 Mechanical room, south side	None Detected	NA	NA	NA
WK/1664-7 HV-4	TSI – spun glass on ducting under fabric	HV-4 Mechanical room, south side	None Detected	NA	NA	NA
WK/1664-8 HV-4	Flexible duct connector, black	HV-4 Mechanical room, south side	None Detected	NA	NA	NA
WK/1664-9 HV-4	Flexible duct connector, black	HV-4 Mechanical room, south side	None Detected	NA	NA	NA

Sample Number	Sample Description	' Location	Asbestos % Type	Friable vs. Non-Friable	Quantity	Comments
WK/1664-10 HV-4	White fabric over TSI, 3" diam. horizontal	HV-4 Mechanical room, north side	None Detected	NA	NA	NA
WK/1664-11 HV-4	TSI – spun glass, 3" diam. horizontal	HV-4 Mechanical room, north side	None Detected	NA	NA	NA
WK/1664-12 HV-4	Fabric over TSI, 5" diam. horizontal	HV-4 Mechanical room, north side	None Detected	NA	NA	NA
WK/1664-13 HV-4	TSI – spun glass, 5" diam. horizontal	HV-4 Mechanical room, north side	None Detected	NA	NA	NA
WK/1664-14 HV-4	TSI – spun glass, 5" diam. elbow	HV-4 Mechanical room, north side	None Detected	NA	NA	NA
WK/1664-15 HV-4	Fabric over TSI, 4" diam. vertical	HV-4 Mechanical room, north side	None Detected	NA	NA	NA
WK/1664-16 HV-4	TSI – spun glass, 4" diam. vertical	HV-4 Mechanical room, north side	None Detected	NA	NA	NA
WK/1664-17 HV-5	Duct fabric, white	HV-5 Mechanical room, north side	None Detected	NA	NA	NA
WK/1664-17D HV-5	Duct fabric, white	HV-5 Mechanical room, north side	None Detected	NA	NA	NA

Sample Number	Sample Description	Location	Asbestos % Type	Friable vs. Non-Friable	Quantity	Comments
WK/1664-18 HV-5	TSI – spun glass on ducting under fabric	HV-5 Mechanical room, north side	None Detected	NA	NA	NA
WK/1664-18D HV-5	TSI – spun glass on ducting under fabric	HV-5 Mechanical room, north side	None Detected NA		NA	NA
WK/1664-19 HV-5	Duct fabric, white	HV-5 Mechanical room, north side	None Detected	NA	NA	NA
WK/1664-19D HV-5	Duct fabric, white	HV-5 Mechanical room, north side	None Detected	NA	NA	NA
WK/1664-20 HV-5	TSI – spun glass on ducting under fabric	HV-5 Mechanical room, north side	None Detected	NA	NA	NA
WK/1664-20D HV-5	TSI – spun glass on ducting under fabric	HV-5 Mechanical room, north side	None Detected NA		NA	NA
WK/1664-21 HV-5	Flexible duct connector, black	HV-5 Mechanical room, north side	None Detected	NA	NA	NA
WK/1664-21D HV-5 (Yellow Mastic)	Yellow mastic and flexible duct connector, black	HV-5 Mechanical room, north side	7% Chrysotile	Non-Friable	All mastic on flexible duct connectors	Not Damaged
WK/1664-21D HV-5 (Duct Connector)	Yellow mastic and flexible duct connector, black	HV-5 Mechanical room, north side	None Detected	NA	NA	NA

Sample Number	Sample Description	Location	Asbestos W Type	Friable vs. Non-Friable	Quantity	Comments
WK/1664-22 HV-5 (Yellow Mastic)	Yellow mastic and flexible duct connector, black	HV-5 Mechanical room, north side	40% Chrysotile	Non-Friable	All mastic on flexible duct connectors	Not Damaged
WK/1664-22 HV-5 (Duct Connector))	Yellow mastic and flexible duct connector, black	HV-5 Mechanical room, north side	None Detected NA		NA	NA
WK/1664-22D HV-5 (Yellow Mastic)	Yellow mastic and flexible duct connector, black	HV-5 Mechanical room, north side	7% Chrysotile Non-Friable 1		All mastic on flexible duct connectors	Not Damaged
WK/1664-22D HV-5 (Duct Connector)	Yellow mastic and flexible duct connector, black	HV-5 Mechanical room, north side	None Detected	NA	NA	NA
WK/1664-23 HV-5	White fabric over TSI, 3.5" diam. vertical	HV-5 Mechanical room, north side	None Detected	NA	NA	NA
WK/1664-24 HV-5	TSI – spun glass, 3.5" diam. vertical	HV-5 Mechanical room, north side	None Detected	NA	NA	NA
WK/1664-25 HV-5	White fabric over TSI, 5" diam. horizontal	HV-5 Mechanical room, south side	None Detected	NA	NA	NA
WK/1664-26 HV-5  TSI – spun glass, 5" diam. horizontal  HV-5 Mechanical room, south side		None Detected	NA	NA	NA	

Sample Number	Sample Description	Location	Asbestos % Type	Friable vs. Non-Friable	Quantity	Comments
WK/1664-81 HV-8	Caulking, white	HV-8 Mechanical room, large ducting off HVAC unit, east side	None Detected	NA	NA	NA
WK/1664-82 HV-8	White cloth wrap and TSI – spun glass, 2.75" diam. vertical	HV-8 Mechanical room, piping off HVAC unit, south side	None Detected	NA	NA	NA
WK/1664-83 HV-8	Silver paper wrap and TSI – spun glass, 3" diam. vertical	HV-8 Mechanical room, piping off HVAC unit, south side	None Detected	NA	NA	NA
WK/1664-84 HV-8	White cloth wrap and TSI – spun glass, 3.75" diam. vertical	HV-8 Mechanical room, piping in northwest corner	None Detected	NA	NA	NA
WK/1664-85 HV-8	White cloth wrap and TSI – spun glass, 3.75" diam. vertical	HV-8 Mechanical room, piping in northwest corner	None Detected	NA	NA	NA
WK/1664-86 HV-8	White corrugated paper wrap and TSI – spun glass, 3" diam. vertical	HV-8 Mechanical room, piping in northwest corner	None Detected	NA	NA	NA

Sample Number	Sample Description	Location	Asbestos % Type	Friable vs. Non-Friable	Quantity	Comments
Presumed HV-8	Transite piping, 4" diam.	HV-8 Mechanical room, piping in northwest corner	Presumed Asbestos- Containing	Non-Friable	2 pipes totaling 8 LF, quantity doesn't include piping on roof	Not Damaged
WK/1664-87 Pool Filter Room Attic	TSI debris, white	Pool filter room attic, floor north of access hatch	None Detected NA		NA	NA
WK/1664-88 Pool Filter Room Attic	Mudded joints between TSI, 3.5" diam. horizontal	Pool filter room attic, directly above access hatch	None Detected	NA	NA	NA
WK/1664-89 Pool Filter Room Attic	TSI, white 3.5" diam. horizontal	Pool filter room attic, south of access hatch	None Detected	NA	NA	NA
WK/1664-90 Pool Filter Room Attic	Mudded elbow on 3.5" diam. horizontal	Pool filter room attic, south of access hatch	None Detected	NA	NA	NA
WK/1664-91 Pool Filter Room Attic	TSI, white 3.5" diam. vertical	Pool filter room attic, south of access hatch	None Detected	NA	NA	NA

Sample Number	Sample Description	Location	Asbestos % Type	Friable vs. Non-Friable	Quantity	Comments
WK/1664-92 Pool Filter Room Attic	Silver paper wrap over TSI, 4" diam. vertical	Pool filter room attic, north of access hatch	None Detected	NA	NA	NA
WK/1664-93 Pool Filter Room Attic	TSI – spun glass, 4" diam. vertical	Pool filter room attic, north of access hatch	None Detected	NA	NA	NA
WK/1664-94 Pool Filter Room Attic	Duct taping, white	Pool filter room attic, central room, east of access door	None Detected	NA	NA	NA
WK/1664-95 Pool Filter Room Attic	TSI – spun glass, pink	Pool filter room attic, central room, on large ducting covered with visquine	None Detected	NA	NA	NA
WK/1664-96 Pool Filter Room Attic	Composite shingles laid over flooring	Pool filter room attic, central room, below round ducting, east side of room	None Detected	NA	NA	NA
WK/1664-97 Pool Filter Room Attic	Duct taping, white	Pool filter room attic, eastern room, on round ducting	None Detected	NA	NA	NA

Sample Number	Sample Description	Location	Asbestos % Type	Friable vs. Non-Friable	Quantity	Comments
WK/1664-98 Pool Filter Room Attic	Silver paper wrap over TSI, 4" diam. horizontal	Pool filter room attic, central room, north side	None Detected	NA	NA	NA
WK/1664-99 Pool Filter Room Attic	TSI – spun glass, 4" diam. horizontal	Pool filter room attic, central room, north side	None Detected	NA	NA	NA
WK/1664-100 Pool Filter Room Attic	Composite shingles laid over flooring	Pool filter room attic, central room, just east of access door	None Detected	NA	NA	NA

### LIMITED ASBESTOS SURVEY FOR THE COLLEGE OF THE REDWOODS APPLIED TECHNOLOGY/AUTOMOTIVE SHOP BUILDING EUREKA, CALIFORNIA

Sample Number	Sample Description	Location	Asbestos % Type	Friable vs. Non-Friable	Quantity	Comments
WK/1664-27 Automotive Shop, Interior	Covering on top of heat shield	Automotive shop garage #129, south side	55% Chrysotile	Friable	660 SF Quantity includes Machine Shop	Not Damaged
WK/1664-28 Automotive Shop, Interior	Covering on top of heat shield	Automotive shop garage #129, south side	55% Chrysotile Friable San		Incl. in Sample 27	Not Damaged
WK/1664-126 Applied Technology Interior	TSI, 3" diam. horizontal	Attic space in kitchen area off community and economic room	15% Chrysotile 25% Amosite	Friable	1 LF	Not Damaged
WK/1664-127 Applied Technology Interior	White patching on round ducting off HVAC unit	Attic space in small office off community and economic room	10% Chrysotile	Non-Friable	300-1000 SF Quantity approx. as material present in multiple buildings	Not Damaged
WK/1664-128 Applied Technology Exterior	Silver coating	Exterior, roof, east of access hatch on 5" diam. horizontal	None Detected	NA	NA	NA

### LIMITED ASBESTOS SURVEY FOR THE COLLEGE OF THE REDWOODS APPLIED TECHNOLOGY/AUTOMOTIVE SHOP BUILDING EUREKA, CALIFORNIA

Sample Number	Sample Description	Location	Asbestos % Type	Friable vs. Non-Friable	Quantity	Comments
WK/1664-129 Applied Technology Exterior	Silver coating with fibrous backing	Exterior, roof, east of access hatch on 1" diam. horizontal	None Detected	NA	NA	NA
WK/1664-130 Applied Technology Exterior	Silver coating	Exterior, roof, east of access hatch on 3.5" diam. horizontal	None Detected	NA	NA	NA
WK/1664-131 Applied Technology Exterior	Loose debris, white	Exterior, roof, west wing, northeast attic	None Detected	NA	NA	NA
WK/1664-132 Applied Technology Exterior	White patching on ducting	Exterior, roof, west wing, northeast attic	10% Chrysotile	Non-Friable	Incl. in Sample 127	Not Damaged
WK/1664-133 Applied Technology Exterior	Joint taping, white-painted green	Exterior, roof, central portion, north side	None Detected	NA	NA	NA
WK/1664-134 Applied Technology Exterior	Mastic, black	Exterior, roof, east wing, north side on 1" diam. horizontal	None Detected	NA	NA	NA
WK/1664-135 Applied Technology Exterior	TSI, 4" diam. horizontal and loose debris beneath	Exterior, roof, east wing, northeast attic	10% Chrysotile	Friable	8 LF	Damaged

### LIMITED ASBESTOS SURVEY FOR THE COLLEGE OF THE REDWOODS APPLIED TECHNOLOGY/AUTOMOTIVE SHOP BUILDING EUREKA, CALIFORNIA

Sample Number	Sample Description	Location	As %	bestos Type	Friable vs. Non-Friable	Quantity	Comments
WK/1664-136 Applied Technology Exterior	TSI, 2.5" diam. horizontal	Exterior, roof, west wing, attic on east side		hrysotile rocidolite	Friable	1 LF	Damaged

Sample Number	Sample Description	Location	Asbestos % Type	Friable vs. Non-Friable	Quantity	Comments
WK/1664-29 HV-4 (Joint Compound)	Joint compound/ sheetrock	HV-4 Mechanical room wall, southeast corner	<1% Chrysotile	Friable	All J.C./SR wall systems	Not Damaged
WK/1664-29 HV-4 (Sheetrock)	Joint compound/ sheetrock	HV-4 Mechanical room wall, southeast corner	None Detected	NA	NA	NA
WK/1664-29 HV-4 (Composite)	Joint compound/ sheetrock	HV-4 Mechanical room wall, southeast corner	<1% Chrysotile	Friable	All J.C./SR wall systems	Not Damaged
WK/1664-30 HV-4 (Joint Compound)	Joint compound/ sheetrock	HV-4 Mechanical room wall, southwest area	<1% Chrysotile	Friable	All J.C./SR wall systems	Not Damaged
WK/1664-30 HV-4 (Sheetrock)	Joint compound/ sheetrock	HV-4 Mechanical room wall, southwest area	None Detected	NA	NA	NA
WK/1664-30 HV-4 (Composite)	Joint compound/ sheetrock	HV-4 Mechanical room wall, southwest area	<1% Chrysotile	Friable	All J.C./SR wall systems	Not Damaged
WK/1664-31 HV-4	Duct taping, white	HV-4, large ducting, west side	None Detected	NA	NA	NA
WK/1664-32 HV-4	Duct taping, white	HV-4 Mechanical room, large ducting, west side	None Detected	NA	NA	NA

Sample Number	Sample Description	Location	Asbestos % Type	Friable vs. Non-Friable	Quantity	Comments
WK/1664-33 HV-4	Duct taping, white	HV-4 Mechanical room, large ducting, east side	None Detected	NA	NA	NA ·
WK/1664-34 HV-4	Duct taping, white	HV-4 Mechanical room, large ducting, west side	None Detected	NA	NA	NA
WK/1664-35 HV-4	Flexible duct connector, white	HV-4 Mechanical room, large ducting, north side	None Detected	NA	NA	NA
WK/1664-36 HV-4	Cloth wrap over TSI, 2.5" diam. horizontal	HV-4 Mechanical room, large ducting, south side	None Detected	NA	NA	NA
WK/1664-37 HV-4	Paper wrap and TSI – spun glass, 2.5" diam. horizontal	HV-4 Mechanical room, large ducting, south side	None Detected	NA	NA	NA
WK/1664-38 HV-4	Paper wrap on TSI, 2.5" diam. horizontal	HV-4 Mechanical room, large ducting, south side	None Detected	NA	NA	NA
WK/1664-39 HV-5 (Joint Compound)	Joint compound/ sheetrock	HV-5 Mechanical room wall, northwest side	2% Chrysotile	Friable	All J.C./SR wall systems	Not Damaged
WK/1664-39 HV-5 (Sheetrock)	Joint compound/ sheetrock	HV-5 Mechanical room wall, northwest side	None Detected	NA	NA	NA

Sample Number	Sample Description	Location	Asbestos % Type	Friable vs. Non-Friable	Quantity	Comments
WK/1664-39 HV-5 (Composite)	Joint compound/ sheetrock	HV-5 Mechanical room wall, northwest side	<1% Chrysotile	Friable	All J.C./SR wall systems	Not Damaged
WK/1664-40 HV-5 (Joint Compound)	Joint compound/ sheetrock	HV-5 Mechanical room wall, northeast side	<1% Chrysotile	Friable	All J.C./SR wall systems	Not Damaged
WK/1664-40 HV-5 (Sheetrock)	Joint compound/ sheetrock	HV-5 Mechanical room wall, northeast side	None Detected	NA	NA	NA
WK/1664-40 HV-5 (Composite)	Joint compound/ sheetrock	HV-5 Mechanical room wall, northeast side	<1% Chrysotile	Friable	All J.C./SR wall systems	Not Damaged
WK/1664-41 HV-5	Duct taping, white	HV-5 Mechanical room, large ducting, north side	None Detected	NA	NA	NA
WK/1664-42 HV-5	Duct taping, white	HV-5 Mechanical room, large ducting, north side	None Detected	NA	NA	NA
WK/1664-43 HV-5	Duct taping, white	HV-5 Mechanical room, large ducting, north side	None Detected	NA	NA	NA
WK/1664-44 HV-5	Flexible duct connector, white	HV-5 Mechanical room, large ducting, south side	None Detected	NA	NA	NA

Sample Number	Sample Description	Location	Asbestos % Type	Friable vs. Non-Friable	Quantity	Comments
WK/1664-45 HV-5	Paper wrap over TSI, 2.5" diam. vertical	HV-5 Mechanical room, north side	None Detected	NA	NA	NA
WK/1664-46 HV-5	TSI – spun glass, 2.5" diam. vertical	HV-5 Mechanical room, north side	None Detected	NA	NA	NA
WK/1664-47 HV-5	Cloth wrap over TSI, 2.5" diam. horizontal	HV-5 Mechanical room, north side	None Detected	NA	NA	NA
WK/1664-48 HV-5	Paper wrap over TSI, 2.5" diam. vertical	HV-5 Mechanical room, north side	None Detected	NA	NA	NA
WK/1664-49 HV-5	TSI – spun glass, 2.5" diam. vertical with metal jacket	HV-5 Mechanical room, north side	None Detected	NA	NA	NA
WK/1664-50 Exterior	TSI – neoprene material, 2.75" diam. vertical	Exterior, roof, northwest wing	None Detected	NA	NA	NA
WK/1664-51 Exterior	Tar/cloth wrap on pipe connecting to HVAC unit	Exterior, roof, northwest wing	None Detected	NA	NA	NA
WK/1664-52 Exterior	Tar/cloth wrap on pipe connecting to HVAC unit	Exterior, roof, northwest wing	None Detected	NA	NA	NA

Sample Number	Sample Description	Location	Asbestos % Type	Friable vs. Non-Friable	Quantity	Comments
WK/1664-53 Exterior	TSI – spun glass, 3" diam. vertical with metal jacket	Exterior, roof, northwest wing	None Detected	NA	NA	NA
WK/1664-54 Exterior	Duct taping, white – painted green	Exterior, roof, northwest wing	None Detected	NA	NA	NA
WK/1664-55 Exterior	Duct taping, white – painted green	Exterior, roof, northwest wing	None Detected	NA	NA	NA
WK/1664-56 Exterior	Duct taping, white – painted green	Exterior, roof, northwest wing	None Detected	NA	NA	NA
WK/1664-57 Exterior	Duct taping, white – painted green	Exterior, roof, northwest wing	None Detected	NA	NA	NA
WK/1664-58 Exterior	Silver paper wrap and spun glass on ducting	Exterior, attic off roof, northwest wing	None Detected	NA	NA	NA
WK/1664-59 Exterior	Silver paper wrap and spun glass on ducting	Exterior, attic off roof, northwest wing	None Detected	NA	NA	NA
WK/1664-60 Exterior	Silver paper wrap over 2.5" diam. horizontal	Exterior, attic off roof, northwest wing	None Detected	NA	NA	NA

Sample Number	Sample Description	Location	Asbestos % Type	Friable vs. Non-Friable	Quantity	Comments
WK/1664-61 Exterior	TSI – spun glass, 2.5" diam. horizontal	Exterior, attic off roof, northwest wing	None Detected	NA	NA	NA
WK/1664-62 Exterior	Silver paper wrap and spun glass on ducting	Exterior, roof attic off corridor outside HV-5	None Detected	NA	NA	NA
WK/1664-63 Exterior	Silver paper wrap and spun glass on ducting	Exterior, roof attic off corridor outside HV-5	None Detected	NA	NA	NA
WK/1664-64 Exterior	Joint wrap paper, silver on 4" diam. horizontal	Exterior, roof attic off corridor outside HV-5	None Detected	NA	NA	NA
WK/1664-65 Exterior	TSI – spun glass, 4" diam. horizontal	Exterior, roof attic off corridor outside HV-5	None Detected	NA	NA	NA
WK/1664-66 Exterior	Joint wrap paper, silver on 5" diam. horizontal	Exterior, roof attic off corridor outside HV-5	None Detected	NA	NA	NA

Sample Number	Sample Description	Location	Asbestos % Type	Friable vs. Non-Friable	Quantity	Comments
WK/1664-67 Exterior	Silver paper wrap and TSI – spun glass, 3" diam. horizontal	Exterior, roof, northwest wing	None Detected	NA	NA	NA
WK/1664-68 Exterior	TSI – spun glass 3.5" diam. horizontal	Exterior, roof, northwest wing	None Detected	NA	NA	NA
WK/1664-69 Exterior	Silver paper wrap on TSI – spun glass, 5" diam. horizontal	Exterior, roof, northwest wing	None Detected	NA	NA	NA
WK/1664-70 Exterior	Seam sealant, gray on 3" and 5" diam. TSI	Exterior, roof, northwest wing	1% Chrysotile	Non-Friable	All gray sealant	Damaged
WK/1664-71 Exterior	Paint, lt. gray on ducting	Exterior, roof, northwest wing	None Detected	NA	NA	NA
WK/1664-72 Exterior	Seam sealant, gray	Exterior, roof, southern wing	1% Chrysotile	Non-Friable	All gray sealant	Not Damaged
WK/1664-73 Exterior	Silver paper wrap and TSI – spun glass, 3" diam. horizontal	Exterior, roof, southern wing	None Detected	NA	NA	NA
WK/1664-74 Exterior	Paint, It. gray on ducting	Exterior, roof, northeast wing	None Detected	NA	NA	NA

Sample Number	Sample Description	Location	Asbestos % Type	Friable vs. Non-Friable	Quantity	Comments
WK/1664-75 Exterior	Silver paper wrap and TSI – spun glass, 3.5" diam. horizontal with plastic jacket	Exterior, roof, northeast wing	None Detected	NA	NA	NA
WK/1664-76 Exterior	End sealant, gray on 3.5" diam. horizontal with metal jacket	Exterior, roof, northeast wing	1% Chrysotile	Non-Friable	All gray sealant	Not Damaged
WK/1664-77 Exterior	Seam sealant, gray on 3.5" diam. horizontal with metal jacket	Exterior, roof, northeast wing	2% Chrysotile	Non-Friable	All gray sealant	Not Damaged
WK/1664-78 Exterior	Silver paper wrap and TSI – spun glass, 4" diam. horizontal with metal jacket	Exterior roof, central elevated section	None Detected	NA	NA	NA
WK/1664-79 Exterior	End sealant, gray on 4" diam. horizontal with metal jacket	Exterior roof, central elevated section	1% Chrysotile	Non-Friable	All gray sealant	Not Damaged

Sample Number	Sample Description	Location	Asbestos % Type	Friable vs. Non-Friable	Quantity	Comments
WK/1664-80 Exterior	End sealant, gray on 5" diam. horizontal	Exterior, roof, north side	2% Chrysotile	Non-Friable	All gray sealant	Not Damaged
Presumed Exterior	Transite piping, 5" diam.	Exterior, roof attic on east side	Presumed Asbestos- Containing	Non-Friable	2 pipes totaling 30 LF	Not Damaged

Sample Number	Sample Description	Location	Asbestos % Type	Friable vs. Non-Friable	Quantity	Comments
WK/1664-101 Exterior	Silver paper wrap and TSI – spun glass, 5" diam. horizontal with metal jacket	Exterior, roof, west side	None Detected	NA	NA	NA
WK/1664-102 Exterior	Silver paper wrap and TSI – spun glass, 5" diam. horizontal with metal jacket	Exterior, roof, north side	None Detected	NA	NA	NA
WK/1664-103 Exterior	Elbow sealant, gray on 4" diam. elbow	Exterior, roof, north side	<1% Chrysotile	Non-Friable	All gray sealant	Not Damaged
WK/1664-104 Exterior	Flexible duct connector, painted white	Exterior, roof, north	None Detected	NA	NA	NA
WK/1664-105 Exterior	End sealant, gray on 3" diam. horizontal	Exterior, roof, east side	<1% Chrysotile	Non-Friable	All gray sealant	Not Damaged

Sample Number	Sample Description	Location	Asbestos % Type	Friable vs. Non-Friable	Quantity	Comments
WK/1664-106 Interior (Joint Compound)	Joint compound/ sheetrock	Interior, Forum, triangular room at southeast corner FM 103	2% Chrysotile	Non-Friable	All J.C./SR wall systems	Not Damaged
WK/1664-106 Interior (Sheetrock)	Joint compound/ sheetrock	Interior, Forum, triangular room at southeast corner FM 103	None Detected	NA	NA	NA
WK/1664-106 Interior (Composite)	Joint compound/ sheetrock	Interior, Forum, triangular room at southeast corner FM 103	<1% Chrysotile	Non-Friable	All J.C./SR wall systems	Not Damaged
WK/1664-107 Interior (Joint Compound)	Joint compound/ sheetrock	Interior, Forum, triangular room at southeast corner FM 103	<1% Chrysotile	Non-Friable	All J.C./SR wall systems	Not Damaged
WK/1664-107 Interior (Sheetrock)	Joint compound/ sheetrock	Interior, Forum, triangular room at southeast corner FM 103	None Detected	NA	NA	NA
WK/1664-107 Interior (Composite)	Joint compound/ sheetrock	Interior, Forum, triangular room at southeast corner FM 103	<1% Chrysotile	Non-Friable	All J.C./SR wall systems	Not Damaged

Sample Number	Sample Description	Location	Asbestos % Type	Friable vs. Non-Friable	Quantity	Comments
WK/1664-108 Interior (Joint Compound)	Joint compound/ sheetrock	Interior, Forum, triangular room at southeast corner FM 103	<1% Chrysotile	Non-Friable	All J.C./SR wall systems	Not Damaged
WK/1664-108 Interior (Sheetrock)	Joint compound/ sheetrock	Interior, Forum, triangular room at southeast corner FM 103	None Detected	NA	NA	NA
WK/1664-108 Interior (Composite)	Joint compound/ sheetrock	Interior, Forum, triangular room at southeast corner FM 103	<1% Chrysotile	Non-Friable	All J.C./SR wall systems	Not Damaged
WK/1664-109 Interior	White fabric wrap and TSI, 3" diam. elbow	Interior, Forum, theatre backstage, piping off radiator	2% Chrysotile	Friable	8 elbows	Not Damaged
WK/1664-110 Interior	White fabric wrap and TSI – spun glass, 3" diam. horizontal	Interior, Forum, theatre backstage, piping off radiator	None Detected	NA	NA	NA
WK/1664-111 Interior	White fabric wrap and TSI, 3" diam. elbow	Interior, Forum, theatre backstage, piping off radiator	2% Chrysotile	Friable	Incl. in Sample 109	Damaged

Sample Number	Sample Description	Location	Asbestos % Type	Friable vs. Non-Friable	Quantity	Comments
WK/1664-112 Interior	White fabric wrap and TSI – spun glass, 3" diam. vertical	Interior, Forum, theatre backstage, piping off radiator	None Detected	NA	NA	NA
WK/1664-113 Exterior	Caulking, black, on ducting	Exterior, easternmost roof, west side	None Detected	NA	NA	NA
WK/1664-114 Exterior	Caulking, black, on ducting	Exterior, easternmost roof, east side	None Detected	NA	NA	NA
WK/1664-115 Exterior	Tan fabric and TSI – spun glass, 3" diam. horizontal	Exterior, easternmost roof, attic northeast corner	None Detected	NA	NA	NA
WK/1664-116 Exterior	Duct patching, white	Exterior, easternmost roof, attic under elevated roof	None Detected	NA	NA	NA
WK/1664-117 Exterior	Flexible duct connector, gray	Exterior, westernmost roof, east side	None Detected	NA	NA	NA
WK/1664-118 Exterior	End sealant, gray	Exterior, westernmost roof, above access hatch	2% Chrysotile	Non-Friable	All gray sealant	Not Damaged

Sample Number	Sample Description	Location	Asbestos % Type	Friable vs. Non-Friable	Quantity	Comments
WK/1664-119 Exterior	Silver paper wrap and TSI – spun glass, 3.25" diam. horizontal with metal jacket	Exterior, westernmost roof, above access hatch	None Detected	NA	NA	NA
WK/1664-120 Exterior	Flexible duct connector, gray	Exterior, westernmost roof, west of access hatch	None Detected	NA	NA	NA
WK/1664-121 Exterior	Loose Debris	Exterior, westernmost roof, attic west of access hatch on north side	<1% Chrysotile <1% Amosite	Friable	10 SF	Significantly Damaged
WK/1664-122 Exterior	Silver paper wrap and TSI – spun glass, 5" diam. horizontal with metal jacket	Exterior, westernmost roof, south side	None Detected	NA	NA	NA
WK/1664-123 Exterior	Loose debris	Exterior, westernmost roof, attic on south side	<1% Chrysotile	Friable	5 SF	Significantly Damaged

Sample Number	Sample Description	Location	Asbestos % Ty		Quantity	Comments	
WK/1664-124 Exterior	White fabric cover and TSI, 2.5" diam. elbow	Exterior, westernmost roof, attic on south side	2% Chrysoti	e Friable	10 LF Quantity Incl. multiple elbows on 2.5" & 3.75" diam. pipes	Not Damaged	
WK/1664-125 Exterior	White fabric cover and TSI, 3.75" diam. elbow	Exterior, westernmost roof, attic on south side	2% Chrysoti	e Friable	Incl. in Sample 124	Not Damaged	

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# **APPENDIX A** Asbestos Laboratory Data and Chain-of-Custody Forms

# Test Report - Winzler & Kelly

# Polarized Light Microscopy Analysis Results Project AOC312336

Sample Number /.			*		Asbesto	S				-Nonast	estos			_ ;
	Client Sample Number	Chrysotile	Amosite	Crocidolite	Anthophyl	lite Tremolite	Actinolite	Cellulose	Mineral Wool	Fibrous Glass				s Run Date
0059207CPL	WK/1654-1	-				_		<1 %	20 %		Fibers	ribers	Material	Analyst .
Yellow TSI						NEM. On	Tax Carl		, ,	60 %	•	-	20 %	12/24/03
						NFM: Qtz,	iar, Card,	Binger, (	Jpag, Mis	c. Part.				SSY
										•			Non Home	ogeneous

Samples received on: Monday, December 22, 2003

RJ Lee Group, Inc. Bay Area Lab

530 McCormick Street San Leandro, CA 94577 Page: I of I

Authorized Signature

Stephen S. Yata, Geologist Date Monday, December 29, 2003

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## Test Report - Winzler & Kelly Polarized Light Microscopy Analysis Results

Project AOC312338

					Asbestos		<b></b>							
Sample Number /	Client Samula Number	Chrysotile	Amonita (	Charledalite	Anthoné uli	ita Tananalita	å	lita Callulana						s Run Date
0059208CPL	Client Sample Number WK/1664-2	Cin ysuine a	MINOSICE C		: Апиюраун	ne tremone	Acuno	90 %	Wool	Glass <1 %	ribers	Fibers	Material	Analyst
White duct fabric	W10100+2	•	•	-	-	NRM- Oz	Coth	Binder, Opaq,			-	-	10 %	12/24/03 SSY
						7 : 1 : 171 a Qia,	Caro,	Dellous, Opaq,	111120. 1 di	•			Homogen	
0059209CPL	WK/1664-3	-	-	-	•	_	-	<1 %	30 %	50 %	*	-	20 %	12/24/03
Yellow TSI						NFM: Qtz,	Carb <sub>i</sub>	Binder, Opag,	, Misc. Par	l_			Non Hom	SSY logeneous
0059210CPL	WK/1664-4	-		•	-	- NED 0	-	90 %	-	-	-	-	10 %	12/24/03
White duct fabric						NEM: QIZ	Carb,	Binder, Opaq,	, Misc. Par	L.			Homogen	SSY
0059211CPL	WK/1664-5	_		-		-	-	<1 %	30 %	50 %	-	-	20 %	12/24/03
Yellow TSI						NFM: Qiz,	Carb,	Binder, Opaq	, Misc. Par	<b>!</b> .			Non Hon	SSY logeneous
0059212CPL	WK/1664-6	<u>.</u>	-	•	•	-	-	70 %	5 %	5 %	-	-	20 %	12/24/03
Yellow TSI; wht. d	fuct insulation					NFM: Qiz,	, Carb,	Binder, Opaq	, Misc. Par	i.			<b>Non Hon</b>	SSY togeneous
0059213CPL	WK/1664-7	-	-	-	•	-	-	-	10 %	70 %	•	**	20 %	12/24/03
Yellow TSI						NFM: Qız,	Carb,	Binder, Opaq	, Misc. Par	t.			NY 19	SSY
										/			Non Hon	10geneous

Samples received on: Monday, December 22, 2003

530 McCormick Street

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Date

San Leandro, CA 94577 Page: 1 of 3

Stephen S. Yata, Geologist Monday, December 29, 2003

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RJ Lee Group, Inc. Bay Area Lab

# DEC. 29. 2003 13:46; NO. 0502

# Test Report - Winzler & Kelly

# Polarized Light Microscopy Analysis Results Project AOC312338

					Asbesto	S				Nonast	estos			
Sample Number / Sample Appearance C	Tient Sample Number	Chrysotile A	.mosite C	rocidolite /	Anthophyl	lite Tremolite	Actino	olite Cellulose		Fibrous Glass			NonFibrou Material	s Run Date Analyst
0059214CPL	WK/1664-8	~	-	-	-	-	-	-	-	10 %	-	•	90%	12/24/03
Black duct connector						NFM: Qiz,	Carb,	Binder, Opaq,	Misc. Par	1.				SSY
													Homogen	cons
0059215CPL	WK/1664-9	-	-	-	-	-	-	-	-	12 %	_	-	88 %	12/24/03
Black duct connector						NFM: QIZ	Carb,	Binder, Opaq,	Misc. Par	τ.				SSY
													Homogen	eous
0059216CPL	WK/1664-10	_		-		_	-	80 %	_	-	_	_	20 %	12/24/03
White fabric						NFM: Qiz.	Carb,	Binder, Opaq,	Misc. Par	1.				SSY
													Homogen	eous
0059217CPL	WK/1664-11	-	-	**	-	-	-	<1 %	30 %	50 %	-	-	20 %	12/24/03
Yellow TSI						NFM: Qtz,	Carb,	Binder, Opaq,	Misc. Par	<b>1</b> .				SSY
													Homoger	eous
0059218CPL	WK/1664-12	_	_	**	-	_	_	90 %	-	_	_		10 %	12/24/03
Tan fabric	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					NFM: Qtz	Carb	Binder, Opaq	Misc. Par	n.				SSY
													Нотодел	eous
0059219CPL	WK/1664-13	_	-	-	-	-	-	<1 %	30 %	50 %	_	-	20 %	12/24/03
Yellow TSI						NFM: Qu	Carb	, Binder, Opaq	, Misc. Pa	rt.				SSY
													Homoger	neous

Samples received on: Monday, December 22, 2003

RJ Lee Group, Inc. Bay Area Lab

530 McCormick Street San Leandro, CA 94577 Page: 2 of 3 Authorized Signature

Date Stephen S. Yata, Geologist Monday, December 29, 2003

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# NO. 0502 P.

4/5

# Test Report - Winzler & Kelly

# Polarized Light Microscopy Analysis Results Project AOC312338

					Asbesto	)\$8			*	-Nonas	bestos			<del>-</del>
Sample Number / Sample Appearance	Client Sample Number	Chrysotil	e Amosiu	e Crocidolite	: Anthophy	llite Tremo	ite Actin	olite Celluiose	Mineral Wool	Fibrous Glass	•		NonFibrou Material	is Run Date Analyst
0059220CPL Yellow TS1	WK/1664-14	•	•	•	•	nfm: (	- lz, Carb	<1 % Binder, Opaq	30 % , Misc. Pa	<b>50 %</b> rt.	•	-	20 %	12/24/03 SSY
													Homoger	10011S
0059221CPL	WK/1664-15	-	-	-	-	EITTE C.		85 %		- 4'- D 4	-	-	15 %	12/24/03
Tan fabric						IA L LAT:	liz, Care	o, Binder, Opaq	, Ouner, n	AISC. PAN.			Homoger	SSY
0059222CPL	16	-	-	-	-	-	-	<1 %	30 %	50 %	-	-	20 %	12/24/03
Yellow TSI						NFM:	Qiz, Cart	, Binder, Opaq	, Misc. Pa	rt.			Non Hon	SSY nogeneous

Samples received on: Monday, December 22, 2003

RJ Lee Group, Inc. Bay Area Lab 530 McCormick Street San Leandro, CA 94577 Page: 3 of 3 Authorized Signature

Date

Stephen S. Yala, Geologist Monday, December 29, 2003

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# Test Report - Winzler & Kelly

Polarized Light Microcopy Analysis Results
Project AOC312339

	* * * * * * *				Asbestos			*****		Nonast	estos			
Sample Number /									Mineral					s Run Date
Sample Appearance	Client Sample Number	Chrysotile .	Amosite	Crocidolite	Anthophylli	te Tremolite A	ctinolite	Cellulose	Woo!	Glass	Fibers	Fibers	Material	Analyst
0059223CPL Yellow insulation	WK/1664-17	•	-	-	-	- NFM: Opaq,	- Misc. F	ari.	-	100 %	-	-	-	12/29/03 ES
													Homogen	cous
0059224CPL Duct tape	WK/1664-18	-	-	-	-	NFM: Carb,	Binder,	Opaq, Mise	- c. Part,	50 %	-	-	50 %	12/29/03 ES
													Homogen	eous
0059225CPL Duct tape	WK/1664-19	-	-	-	-	NFM: Binde	- r. Opag.	95 % Misc. Part.	-	5 %	-	-	-	12/29/03 ES
•							, , ,						Homogen	
0059226CPL	WK/1664-20	-	-	•	-	-	-	60 %	-	20 %	-	-	20 %	12/29/03
Fabric tape						NFM: Carb,	Binder,	Opaq, Mis	c. Part.				[]	ES
					-								Homogen	10002
0059227CPL	WK/1664-21	-	-	•	-	-		_	_	100 %	_	_	-	12/29/03
Yellow insulation						NFM: Opaq,	Misc. 1	Part.						ES
													Homogen	eous
						,							*	
0059228CPL	WK/1664-22	-	-	-	-	ATDRE.	-	50 %	-	•	-	-	50 %	12/29/03
Duct tape						NFM:, Mis	ic. Part.						Uomos	ES
									_				Homogen	HEO II S

Samples received on: Monday, December 22, 2003

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Date

Nonette Patron, Geologist Wednesday, Jahuary 7, 2004

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# Test Report - Winzler & Kelly Polarized Light Microcopy Analysis Results Project AOC312339

		~			-Asbestos					-Nonast	estos			
	Client Sample Number		Amosite	Crocidolite /					Mineral	Fibrous Glass	Synthetic	Other	NonFibrou Material	s Run Date Analyst
0059228CPL-1 Yellow glue	WK/1664-22	40 %	•	-	-	- NFM:,	- Misc. Par	- t.	<del>-</del>	<del></del>	-	-	60 %	12/29/03 ES
												•	Homogene	eous
0059229CPL white duct fabric	WK/1664-23	-	-	-	-	- NFM: 0	- paq, Mis	90 % c. Part.	-	6 %	-	-	4%	12/29/03 ES
													Homogene	ous
0059230CPL Yellow insulation	WK/1664-24	-	-	-	-	- <b>NFM:</b> 0	- paq, Miso	- c. Part.	-	100 %	-	-	-	12/29/03 ES
													Homogene	
0059231CPL Duct fabric	WK/1664-25	-	-	-	-	NFM: O	- paq, Miso	90 % c. Part.	-	10 %	-	-	-	12/29/03 ES
													Homogene	ous
0059232CPL Yellow insulation	WK/1664-26	-		-	-	NFM: O <sub>l</sub>	- naq, Miso	- c. Pari.	-	100 %	-	-	- Homogene	12/29/03 ES

Samples received on: Monday, December 22, 2003

--!-1- Dr

530 McCormick Street San Leandro, CA 94577 Page: 2 of 2 Authorized Signature\_

Date

Nonette Patron Geologist Wednesday, January 7, 2004

Phone Fax (510) 567-0480 (510) 567-0488 NO. 0757 P. 3

8. 2004 11:23AM

GROUP INC

RJ Lee Group, Inc. Bay Area Lab

-> WINZLER & KELLY (EUREKA);

# NO. 0518 р ф.

# Test Report - Winzler & Kelly

# Polarized Light Microscopy Analysis Results Project AOC312340

					-Asbestos-					-Nonasb	estos			-
					-132002103				Mineral	Fibrous	Synthetic	:Other I	NonFibrou	s Run Date
Sample Number /		~	A	Canadalia	Anthomballit	e Tremolite	Actinolite	Cellulose		Glass	Fibers	Fibers	Material	Analyst
	Client Sample Number		Amosue	Crocidonie	Annopayme	O PROBLEM	2 30 0 110111	35 %	-			_	10 %	12/29/03
0059233CPL	WK/1664-27	<i>55</i> %	-	-	•									ES
					1	NFM: Opac	q, Misc. P	ari.					Hamagag	
Offey madiation													Homogen	was
								4 ድ <i>c</i> ri					-	12/29/03
na59234CPL	WK/1664-28	55 %	•	-	=	-	_		•	-				ES
"						NFM: Opa	q, Misc. I	Part.						
Grey insulation													Homoger	цеолг
0059233CPL Grey insulation  0059234CPL Grey insulation	WK/1664-27 WK/1664-28	55 % 55 %		-	-	NFM: Opac	_	'ari. 45 %		-		-	Homogen	[2/29/03 ES

Samples received on: Monday, December 22, 2003

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Date

Nonette Patron, Geologist Monday, December 19, 2003

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San Leandro, CA 94577

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N C

# Test Report - Winzler & Kelly Polarized Light Microscopy Analysis Results Project AOC312341

				As	besto	S**				-Nonasi	estos			<b></b>
Sample Number /	Client Comple Numi	han Charactita	<b>.</b>			#			Mineral	Fibrous	Synthetic	e Other	NonFibrou	s Run Date
	Client Sample Numb		Amostie	Crocidolile Ant	hophyi	inte Tremolite	Actino		Woo!	Glass	Fibers	Fibers	Material	Analyst
0059235CPL	WK/1664-29	<1 %	-	-	-	-	-	3 %	-	<1 %	-	-	97 %	12/29/03
White drywall; whi	-	- 41 - 04				NFM: Qız,	Carb,	Binder, Opag,	Gyp, Mi	ca, Misc.	Part.			SSY
Layer Content:	Comp <1% Ch	rysome; Other	Layer : f	lone Delected									Non Hom	ogeneous
0059236CPL	WK/1664-30	<1 %	-	-	-	-		3 %	•	<1 %	_		97 %	12/29/03
White drywall; whi	t, comp					NFM: Qu,	Саго	Binder, Opaq,	Gyp, Mi		Part.			SSY
Layer Content:	Comp <1% Ch	rysotile; Other	Layer: N	lone Detected					•••				Non Hom	
0059237CPL	WK/1664-31	-		_	-	-	-	90 %	-	_		_	10 %	12/29/03
White duct tape						NFM: Qiz,	Carb,	Binder, Opaq,	Misc. Pa	۲۱.			•	SSY
													Homogen	eous
0059238CPL	WK/1664-32	-	_	-	_	-	_	90 %	-		_	~	10 %	12/29/03
White duct tape						NFM: Qız,	Carb,	Binder, Opaq,	Misc. Pa	rt.				SSY
													Homogen	eous
0059239CPL	WK/1664-33	-	-	-		-		90 %	•	_	_	_	10 %	12/29/03
White duct tape						NFM: Qtz,	Carb,	Binder, Opaq,	Misc. Pa	ri.			10 10	SSY
													Homogen	
0655540CBT	357777777													
0059240 CPL White duct tape	WK/1664-34	•	-	-	-	nimae.c	~ .	90 %		-	-	-	10 %	12/29/03
minic duct tape						IXE MI: QU,	Carb,	Binder, Opaq,	Misc. Par	τί.			**	SSY
													Homogen	eous

Samples received on: Monday, December 22, 2003

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Date

Stephen S. Yata, Goologist Sunday, January 5, 2003

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RJ Lee Group, Inc. Bay Area Lab

530 McCormick Street San Leandro, CA 94577 Page: 1 of 7

# Test Report - Winzler & Kelly

# Polarized Light Microscopy Analysis Results Project AOC312341

		~~~		******	Asbesto	S				Nonasl	bestos			_
Sample Number / Sample Appearance (	Client Sample Number	Chrysotile /	Amosite	Crocidelite A	Anthophyl	lite Tremolite	Actino	olite Cellulose	Mineral Wool	Fibrous Glass	•		NonFibrou Material	s Run Date Analyst
0059241 CPL White duct connector	WK/1664-35	-	-	-		- NFM: Qız,	Carb,	- Binder, Opaq.	Misc. Par	<b>20 %</b> I.	-	-	80 %	12/29/03 SSY
0059242CPL	WK/1664-36							00.00					Homogen	
White cloth wrap	W 1004-30	-	-	-	-	NFM: Qtz,	Carb,	80 % Binder, Opaq,	Misc. Par	- I.	-	-	20 % Homogen	12/29/03 SSY
0059243CPL Brown paper; yellow	WK/1664-37 insulation	-	-	-	-	NFM: Qiz,	Сагь,	40 % Bioder, Opaq,	- Misc. Par	20 % t.		-	40 %	12/29/03 SSY
	WK/1664-38	-	-		-	-	_	50 %	-	20 %	-	_	Non Hom	12/29/03
Brown paper wrap						NFM: QIZ	Carb,	Binder, Opaq,	Misc. Par	l.			Homogen	SSY eous
0059245CPL White drywall; wht. c Layer Content:	WK/1664-39 comp Comp 2% Chrysol	<1 % tile ; Other La	- ayer : No	- one Detected	-	NFM: Qiz,	- Carb,	3 % Binder, Opaq,	- Misc. Pari	<1 % t.	-	•	97 % Non Hom	12/29/03 SSY ogeneous
0059246CPL White drywall; wht.	WK/1664-40 comp Comp <1% Chrys	<1 % otile ; Other l	- Layer : N	- None Delecte	<b>.</b> d	- NFM: Qiz,	- Carb,	3 % Binder, Opaq,	Misc. Pari	2 <b>%</b> t.		-	95 % Non Hom	I/5/04. NP

Samples received on: Monday, December 22, 2003

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Stephen S. Yata, Geologist Sunday, January 5, 2003

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530 McCormick Street San Leandro, CA 94577 Page: 2 of 7

# Test Report - Winzler & Kelly Polarized Light Microscopy Analysis Results Project AOC312341

0 1.27					-Asbesto	5			+	Nonasi	esios	~~~	~	**
	Client Sample Number	Chrysotile A	mosite (	Crocidolite					Mineral		Syntheti	c Other		ıs Run Date Analyst
0059247 CPL White duct tape	WK/1664-41	~	-	-	-	NFM: Q	tz, Cart	85 % , Binder, Opaq	- , Misc. Par	-	**	_	15 % Homogen	12/29/03 SSY
0059248 CPL White duct tape	WK/1664-42	-	-	·		· NFM: Q	- tz, Carb	85 % o, Binder, Opaq	- , Misc. Par	- L.	-	-	15 % Homogen	12/29/03 SSY œous
0059249 CPL White duct tope	WK/1664-43	-	•	-	-	NFM: Q	- Iz, Carb	85 % o, Binder, Opaq	- , Misc. Par	- i.	-	-	15 % Homogen	12/29/03 SSY eous
9059250CPL White duct connector	WK/1664-44	-	-	-	-	nfm: Q	iz, Carb	<1 % , Binder, Opaq	- , Misc. Par	<b>80</b> % I.	-	-	20 % Нотоден	12/29/03 SSY 20018
0059251 CPL Brown paper wrap	WK/1664-45		-		-	NFM: Q	z, Carb	85 % Binder, Opaq	- , Misc. Par	<u>.</u> i.	-	-	15 % Non Hom	12/29/03 SSY logeneous
0059252CPL Yellow TSI	WK/1664-46	-	-	-	-	NFM: Q	- z, Carb	<1 % , Binder, Opaq	10 % Misc. Pan	70 % :	•	-	20 % Homogen	12/29/03 SSY eous

Samples received on: Monday, December 22, 2003

530 McCormick Street San Leandro, CA 94577

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Date

Stephen S. Yata Geologist Sunday, January 5, 2003

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RJ Lee Group, Inc. Bay Area Lab

# Test Report - Winzler & Kelly

Polarized Light Microscopy Analysis Results
Project AOC312341

			·~		Asbesto	S				-Nonast	estos	·		_
Sample Number / Sample Appearance	Client Sample Number	Chrysotile i	Amosite	Crocidolit	e Anthophyl	lite Tremolite	Actino	olite Cellulose	Mineral Wool	Fibrous Glass	•		NonFibrou Material	s Run Date Analyst
0059253CPL White cloth wrap	WK/1664-47	-	-	•	-	NFM: Qiz.	- Carb,	80 % Binder, Opaq,	- Misc. Par	- t_	**		20 %	12/29/03 SSY
													Homogen	eous
0059254CPL Brown paper wrap	WK/1664-48	-	•	-	•	NFM: Qiz,	- Сать,	65 % Binder, Opag,	- Mise. Par	5 % 1.	-	-	30 %	12/29/03 SSY
													Homogen	eous
0059255CPL Yellow TSI	WK/1664-49	-	-	-	-	NFM: Qız,	- Carb,	<1 % Binder, Opaq,	15 % Misc. Par	65 % t.	-	-	20 %	12/29/03 SSY
													Homogen	eous
0059256CPL Black neoprene	WK/1664-50	-	-	-	-	NFM: Qu,	- Carb,	2 % Binder, Opaq,	- Misc. Par	- i.	-	-	98 %	12/29/03 SSY
						·							Homogen	
0059257CPL Tar wrap	WK/1664-51	•	-	-	-	NEM: Otz	Tar k	6 % Carb, Binder, C	- Jose Mice	- Does	-	-	94 %	12/29/03 SSY
						THE WAY GIE!	111,	caro, pinece, c	opad, mis	. ratt.			Homogen	
0059258CPL Tar wrap	WK/1664-52	-	**		-	NEW+ O-	Tor (	8 % Carb Biados (	- 	. Da	-	-	92 %	(2/29/03
<u> բա գլա</u> ն						AT HIL YIZ,	rat,	Carb, Binder, C	opay, wiise	u. ran.			Homogen	SSY

Samples received on: Monday, December 22, 2003

RJ Lee Group, Inc. Bay Area Lab

530 McConnick Street San Leandro, CA 94577 Page: 4 of 7 Authorized Signature Step

Date

Stephen S. Yata, Geologist Sunday, January S. 2003

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NO. 0636

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# Test Report - Winzler & Kelly Polarized Light Microscopy Analysis Results Project AOC312341

					-Asbesto	S				Nonasi	estos			
	Client Sample Number								Mineral		Synthetic	Other I	NonFibrous Material	
0059259CFL Tan TSI	WK/1664-53	-	-	•	-	NFM: Qız	Сать,	50 % Binder, Opaq,	Misc. Par	10 % i.	-	•/		12/29/03 SSY
													Homogene	Suos
0059260CPL Grey duct wrap	WK/1664-54		-	-	-	NFM: Qız	- , Catb,	75 % Binder, Opaq,	- Misc. Par	- I.	-	-		12/29/03 SSY
													Homogene	ous
0059261 CPL Grey duct wrap	WK/1664-55	-	-	-	-	NFM: Qız	-, Carb,	80 % Binder, Opaq,	- Misc. Par	- I.	-	-		12/29/03 SSY
						4							Homogene	ons
0059262CPL Grey duct wrap	WK/1664-56	-	•	-	*	NFM: Qiz	Carb,	80 % Binder, Opaq,	Misc. Par	5 <b>%</b>	-	-		12/29/03 SSY
													Homogene	
0059263 CPL Grey duct wrap	WK/1664-57	-	•	-	-	- NFM: Otz	- Carb	80 % Binder, Opaq,	- Misc Par	-		-		12/29/03 SSY
, .								omdor, opid,	71730. 1 21	•			Homogene	
0059264CPL Brown paper wrap	WK/1664-58	-	-	-	-	NFM: Oir	Carb	70 % Binder, Opaq,	- Mise Por	10 %		-		12/29/03
• • •						The state of the	CIII U,	onium, Opay,	111100-1 111	i <b>-</b>			Homogene	SSY ous

Samples received on: Monday, December 22, 2003

RJ Lee Group, Inc. Bay Area Lab

530 McCormick Street San Leandro, CA 94577 Page: 5 of 7 Authorized Signature

Date Sunday.

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Stephen S. Yata, Geologist Sunday, January S. 2003

# Test Report - Winzler & Kelly Polarized Light Microscopy Analysis Results

Project AOC312341

Sample Number   Sample Number   Client Sample Number   Chrysotile Aniosite Crocidolite Anthophyllite Trenolite Actinolite   Cellulote   Mool   Glass   Fibers   Maieria   Analysis   Analysis   Glass   Glass   Fibers   Maieria   Analysis   Glass   Glass   Glass   Fibers   Maieria   Analysis   Glass   G				,	Aspesto	S				-iNonast	estos			-
October   Octo	Sample Number /	ar Chermatila A	manita (	Zmosidalita A		\$10 m True 114 -	A -4:	.12. 0 11.1						
NFM: Qtz. Carb. Binder. Opaq, Misc. Part.   SSY   Homogeneous		a Chrysonie A	mosite (	Journal A	мвиориуг	me Hemoire	Acuno		WOOI		Pibers	Pibers		
Homogeneous   Homogeneous   Homogeneous		-	-	-	-	ነው አለ ፡ Obs			- n		-	-	45 %	
0059266 CPL Silver paper wrap	Outer babes atab					14 P 19E: QIZ.	Caro,	amder, Opag,	Misc. Par	l.			17	
NFM: Qtz, Carb, Binder, Opaq, Other, Misc. Part.  NFM: Qtz, Carb, Binder, Opaq, Other, Misc. Part.  NFM: Qtz, Carb, Binder, Opaq, Other, Misc. Part.  NFM: Qtz, Carb, Binder, Opaq, Misc. Part.  NFM: Qtz, Carb, Binder, Opaq, Misc. Part.  NFM: Qtz, Carb, Binder, Opaq, Other, Misc. Part.  NFM: Qtz, Carb, Binder, Opaq, Other, Misc. Part.													Homogen	cons
NFM: Qtz, Carb, Binder, Opaq, Other, Misc. Part.    NFM: Qtz, Carb, Binder, Opaq, Other, Misc. Part.   SSY Non Homogeneous	0059266CPL WK/1664-60	-		-	_	-		40 %		20 %	_		40 %	12/29/03
Non Horogeneous   Non Horog	Silver paper wrap					NFM: Qiz	Сагь,		Other, M				, 0 , 0	
0059267 CPL Yellow TSI						` '		, 1 4	,				Non Hom	
NFM: Qtz, Carb, Binder, Opaq, Misc. Part.   SSY														
NFM: Qtz, Carb, Binder, Opaq, Misc. Part.   SSY   Homogenous	0059267CPL WK/1664-61		-	-		-	-	-	20 %	60 %	=	-	20 %	12/29/03
0059268CPL Silver paper wrap       WK/1664-62       -       -       -       40 %       -       20 %       -       40 %       12/29/03 SSY Homogeneous         0059269CPL Silver paper wrap       WK/1664-63       -       -       -       -       -       -       40 %       -       20 %       -       40 %       12/29/03 SSY Homogeneous         0059270CPL Tan joint wrap       WK/1664-64       -       -       -       -       -       -       40 %       -       15 %       -       -       45 %       12/29/03 NFM: Qiz, Carb, Binder, Opaq, Other, Misc. Part.       SSY	Yellow TSI					NFM: Qiz,	Carb,	Binder, Opaq,	Misc. Par	<b>i.</b>				
Silver paper wrap  0059269CPL WK/1664-63 Silver paper wrap Silver paper wrap  WK/1664-63 Silver paper wrap  WK/1664-64 Silver paper wrap  NFM: Qtz, Carb, Binder, Opaq, Other, Misc. Part. Silver paper wrap  NFM: Qtz, Carb, Binder, Opaq, Misc. Part. SSY Homogeneous  NFM: Qtz, Carb, Binder, Opaq, Other, Misc. Part. SSY  NFM: Qtz, Carb, Binder, Opaq, Other, Misc. Part. SSY  NFM: Qtz, Carb, Binder, Opaq, Other, Misc. Part. SSY													Homogen	еоиѕ
NFM: Qtz, Carb, Binder, Opaq, Other, Misc. Part.   SSY   Homogeneous														
## Homogeneous  ## Homogeneous	0059268CPL WK/1664-62	-	-	-	-		**	40 %	•	20 %	-		40 %	12/29/03
0059269CPL       WK/1664-63       -       -       -       40 % -       20 % -       -       40 % 12/29/03 SSY Homogeneous         Silver paper wrap       NFM: Qtz, Carb, Binder, Opaq, Misc. Part.       -       40 % 12/29/03 SSY Homogeneous         0059270CPL       WK/1664-64       -       -       -       40 % -       15 % -       -       -       45 % 12/29/03 SSY         Тап joint wrap       NFM: Qtz, Carb, Binder, Opaq, Other, Misc. Part.       SSY	Silver paper wrap					NFM: Qiz	Carb,	Binder, Opaq,	Other, M	isc. Part.				SSY
Silver paper wrap  NFM: Qtz, Carb, Binder, Opaq, Misc. Part.  NFM: Qtz, Carb, Binder, Opaq, Misc. Part.  SSY Homogeneous  0059270CPL WK/1664-64  45 % 12/29/03 Tan joint wrap  NFM: Qtz, Carb, Binder, Opaq, Other, Misc. Part.  SSY													Homogen	eous
Silver paper wrap  NFM: Qtz, Carb, Binder, Opaq, Misc. Part.  NFM: Qtz, Carb, Binder, Opaq, Misc. Part.  SSY Homogeneous  0059270CPL WK/1664-64  45 % 12/29/03 Tan joint wrap  NFM: Qtz, Carb, Binder, Opaq, Other, Misc. Part.  SSY														
Homogeneous  0059270CPL WK/1664-64 40 % - 15 % 45 % 12/29/03  Tan joint wrap NFM: Qiz, Carb, Binder, Opaq, Other, Misc. Part. SSY	0059269CPL WK/1664-63	-	-	~	-		-	40 %	-	20 %	-		40 %	12/29/03
0059270CPL       WK/1664-64       -       -       -       40% -       15% -       -       45% 12/29/03         Тап joint wrap       NFM: Qiz, Carb, Binder, Opag, Other, Misc. Part.       SSY	Silver paper wrap					NFM: Qtz	Carb,	Binder, Opaq,	Misc. Par	t,				SSY
Tan joint wrap NFM: Qiz, Carb, Binder, Opag, Other, Misc. Part. SSY													Homogen	eous
Tan joint wrap NFM: Qiz, Carb, Binder, Opaq, Other, Misc. Part. SSY														
	0059270CPL WK/1664-64	•	•	-	-	-	-	40 %	-	15 %	-	-	45 %	12/29/03
Homogeneous	Tan joint wrap					NFM: Qiz	, Carb,	Binder, Opag,	Other, M	isc. Part.				SSY
						,							Homogen	eous

Samples received on: Monday, December 22, 2003

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530 McCormick Street San Leandro, CA 94577 Page: 6 of 7 Authorized Signature

Stephen S. Yata, Geologist Sunday, January 5, 2003

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NO. 0636

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# Test Report - Winzler & Kelly Polarized Light Microscopy Analysis Results

Project AOC312341

				unn	Asbestos-			·		-Nonasi	estos			
Sample Number /	or or and	<b></b>							Mineral	Fibrous	Syntheti	c Other !	NonFibrou	s Run Date
	Client Sample Number	r Chrysotile	Amosile	Crocidolite.	Antkophylli	te Tremolite	Actinolia	e Cellulose	Wool	Glass	Fibers	Fibers	Material	Analyst
0059271CPL	WK/1664-65	-	-	~	-	-	-	-	20 %	50 %	-	-	30 %	12/29/03
Yellow TSI						NFM: Qız,	Carb, Bi	inder, Opaq	Misc. Pa	rl.				SSY
													Homogen	cous
0059272CPL White joint wrap	WK/1664-66	-	•	-	-	NFM: Qız,	Carb, Bi	60 % inder, Opaq,	Other, M	- Sisc. Part.	-	-	40 %	12/29/03 SSY
													Homogen	eous

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Date

Stephen S. Yata, Geologist Sunday, January 3, 2003

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RJ Lee Group, Inc. Bay Area Lab

# Test Report - Winzler & Kelly

Polarized Light Microscopy Analysis Results
Project AOC312342

			~~~~~~		Asbestos								
Sample Number / Sample Appearance	Client Sample Number	Chrysotile	Amosite	Crocidolite	Anthophyll	ite Tremolite A	actinolite Cellulose	Mineral Wool	Fibrous Glass			NonFibrou Material	s Run Date Analyst
0059273CPL Silver wrap	WK/1664-67	•		•	-	NFM: Opaq,	- 10 %	-	50 <b>%</b>	-	٠	40 % Homogen	12/29/03 ES cous
0059274CPL Yellow insulation	WK/1664-68	-	-	-	-	NFM; Opaq,	 , Misc. Part.	-	95 %	-	-	5 % Homogen	12/29/03 ES ecous
0059275CPL Yellow insulation ;	WK/1664-69 silver wrap	-	-	-	-	NFM: Carb,	- 10 % Opaq, Misc. Part.	<del>-</del> ,	80 %	-	-	10 % Non Hom	12/29/03 ES togeneous
0059276CPL Silver caulking	WK/1664-70	1%	-	-	-	NFM: Carb,	 Binder, Opag, Mi	- sc. Part.		-	-	99 % Homoger	12/29/03 ES neous
0059277CPL Grey paint	WK/1664-71	-	-	-	-	NFM: Carb,	, Binder, Opaq, M	sc. Part	-	•	-	100 % Homoger	ES
0059278CPL Silver caulking	WK/1664-72	1 %	-		-	NFM: Carb.		- isc. Part.	-	•	•	99 % Homoge	12/29/03 ES neous

Samples received on: Monday, December 22, 2003

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Date

Monette Patron, Geologist Monday, December 29, 2003

rmick Street

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530 McCormick Street San Leandro, CA 94577 Page: I of 3

Page

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# Test Report - Winzler & Kelly

# Polarized Light Microscopy Analysis Results Project AOC312342

					-Asbestos	}	· • •							
Sample Number / Sample Appearance	Clicat Sample Number	r Chrysotile	Amosite (	Crocidolite	Anthophyll	lite Tremolite A	ctinoli	te Cellulose	Mineral Wool	Fibrous Glass			NonFibrou Material	s Run Date Analyst
0059279CPL Yellow insulation;	WK/1664-73 silver wrap	-	-	•	-	- NFM: Carb,	- Opaq,	5 % Misc. Part.	-	90 %		•	5 %	12/29/03 ES
													Homogen	воцѕ
0059280CPL Grey paint	WK/1664-74	-	*	-	-	NFM: Carb,	- Opaq,	Misc. Part.	-	•	-	-		12/29/03 ES
													Homogen	eous
0059281 CPL White/yellow insula	WK/1664-75 ation; silver wrap	•	-	-	~	NFM: Carb,	Opaq,	5 % Misc. Part.	-	80 %	-	-	15 %	12/29/03 ES
													Homogen	
0059282CPL Silver caulking	WK/1664-76	1 %	-	-	<del>-</del>	NFM: Carb,	- Binde	r, Opaq, Mis	c. Part.	-	•	-	99 % Homoger	12/29/03 ES
													_	
0059283CPL Silver caulking	WK/1664-77	2 %	-	-	-	NFM: Carb,	- Binde	r, Opag, Mis	sc. Part.	-	-	-	98 % Homoger	12/29/03 ES
								10.7		00 5			_	
0059284CPL Silver wrap ; yellov	WK/1664-78 w insulation	-	Web	-	-	NFM: Carb,	Opaq,	10 % Misc. Part.	•	80 %	-	-	10 % Non Hon	12/29/03 ES nogeneous
										_			HOR HOR	nogeneous

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530 McCormick Street San Leandro, CA 94577 Page: 2 of 3

Homogeneous

# Test Report - Winzler & Kelly

## Polarized Light Microscopy Analysis Results Project AOC312342

					Asbestos-					-Nonasb	estos			,
Sample Number /									Mineral	Fibrous	Synthetic	c Other 1	NonFibrou	s Run Date
Sample Appearance	Client Sample Number	Chrysotile	Amosite	Crocidolite	Anthophyllit	e Tremolite	Actinolite	Cellulose	Wool	Glass	Fibers	Fibers	Material	Analyst
0059285CPL	WK/1664-79				_		-	-	_	10 %	-	-	89 %	12/29/03
Silver caulking						NFM: Carl	, Binder,	Opaq, Mis	c. Part.					ES

Samples received on: Monday, December 22, 2003

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Date

Nonette Patron, Geologist Monday, December 29, 2003

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# Test Report - Winzler & Kelly Polarized Light Microscopy Analysis Results Project AOC312343

		<u>-</u>			Asbestos	}	***********			-Nonasi	estos			-
Sample Number /									Mineral	Fibrous	Synthetic	Other I	NonFibrou	s Run Date
Sample Appearance	Client Sample Number	Chrysotile	Amosite	Crosidolite	Anthophyll	ite Tremolite	Actinolite	Cellulose	Wool	Glass	Fibers		Material	Analyst
0059286CPL	WK/1664-80	2 %	-	-	-	_	-	-	-	-	_		98 %	12/29/03
Silver caulking						NFM: Cart	, Binder	Opaq, Mis-	c. Part.					ES
													Homogene	cous

Samples received on: Monday, December 22, 2003

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Page: 1 of 1

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# Test Report - Winzler & Kelly Polarized light Microscopy Analysis results Project AOC312344

					Asbestos				-Nonast	estos			
Sample Number /								Mineral	Fibrous Glass	Synthetic	Other !	NonFibrous  Material	Run Date Analyst
Sample Appearance 0059381CPL	Client Sample Number WK/1664-81	Chrysotile	: Amosite (	Crocidolite -	z Anthophyll	-		- WOOI	·	-	. 100.15	100 %	12/29/03 NP
White caulking						NFM: , Misc.	Part.					Homogen	
0059382CPL	WK/1664-82	-	-	-	-	· NFM: Binder,	- 5%	85 %	•	-	-	10 %	12/29/03 NP
White TSI						terial. Builder,	IMING, E dit.					Homogen	eous
0059383CPL	WK/1664-83	-	•	-	-	NFM: Binder,	- 5% Misc Part	85 %	-	-	-	10 %	12/29/03 NP
White / pink TSI						14T. Hg. Dispos!	Hand, a ma					Homoger	eous
0059384CPL	WK/1664-84	-	-	-		NFM: Binder,	5 %	85 %	-	•	-	10 %	12/29/03 NP
White / pink TSI						THE THE DAMES,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					Homoger	neous
0059385CPL	WK/1664-85	-	-	-	~	- NFM: Binder,	- Misc. Part.	85 %	-	-		15 %	12/29/03 NP
White / pink TSI							, <del>.</del>		,			Homoge	neous
0059386CPL	WK/1664-86	-	-	-	-	- NFM: Binder,	- 10 % Misc. Part.	75 %	-	<b></b>	-	15 %	12/29/03 NP
White / pink TSI						TA HE DINGE	, ,					Homoge	neous

Samples received on: Monday, December 22, 2003

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Bay Area Lab

530 McCormick Street San Leandro, CA 94577

Page: 1 of 1

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Nonette Patron, Geologist Monday, December 29, 2003 Date

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(510)<sup>1</sup>567-0480 (510) 567-0488

# D'EC. 29. 2003 Mineral Fibrous Synthetic Other NonFibrous Run Date

70 <u>—</u>

GROUP INC

> WINZLER XELLY XELLY

# /29/03

Analyst

12/29/03 ES

12/29/03 ES

12/29/03

# 567

(EUREKA);

# NO. 0515

. 0  $\sim$ 

12/29/03

ES

# ES

## Homogeneous

### 90 % 12/29/03

### ES Homogeneous

# 12/29/03

### ES Homogeneous

# Samples received on: Monday, December 22, 2003

RJ Lee Group, Inc.

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WK/1664-88

WK/1664-89

WK/1664-90

WK/1664-91

WK/1664-92

Sample Number /

White insulation

0059288CPL

Grey insulation

0059289CPL

White insulation

0059290CPL

Grey insulation

0059291CPL

White insulation

0059292CPL

Silver wrap

Authorized Signature

Test Report - Winzler & Kelly Polarized Light Microscopy Analysis Results

Project AOC312345

Sample Appearance Client Sample Number Chrysotile Amosite Crocidolite Anthophyllite Tremolite Actinolite Cellulose Wool

----Asbestos-----Nonasbestos------Nonasbestos-----

15%

15 %

1%

15 %

Dated

NFM: Qiz, Carb, Opaq, Misc. Part.

NFM: Qtz, Carb, Misc. Part.

NFM: Carb, Misc. Part.

NFM: Carb, Opaq, Misc. Part.

NFM: Carb, Misc. Part.

NFM: Opaq, Misc. Part.

Glass

10 %

5 %

Stephen S. Yata, Geologist

Monday, December 29, 2003

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40 %

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Fibers Fibers Material

99 %

75 %

Homogeneous

Homogeneous

70 %

Homogeneous

Page: 1 of 3

530 McCormick Street San Leandro, CA 94577

# Test Report - Winzler & Kelly

Polarized Light Microscopy Analysis Results
Project AOC312345

				PI	oject	AOC312345								7.
Sample Number /		********			-Asbest	OS			-Nonasi	nestos	.=			5007
	Client Sample Number WK/1664-93	Chrysotile	e Amosite (	Crocidolite .	Anthophy	yllite Tremolite Actinol	ite Cellulose	Mineral Wool	Fibrous Glass	Synthetic	Other	NonFibro Material	us Run Date	:
Yellow insulation				•	**	NFM:, Misc. Part.	•	-	100 %	-	*	Homogen	12/29/03 ES	
0059294CPL Tan fabric	WK/1664-94	•	-	-	-	NFM: Opaq, Misc.	99 % Pari.	-	-	-	-	1%	12/29/03 ES	ב ה ה
0059295CPL Red insulation	WK/1664-95	•	-	-		NFW:, Misc. Parl.	-	-	100 %	•	-	Homogen	12/29/03 ES	
0059296CPL Roofing shingle	WK/1664-96	-	-	-	-	NFM: Qiz, Tar, Op	- aq, Fine Grai	- ns, Misc. I	15 % Part.	-	-		12/29/03 ES	
0059297CPL Offwhite fabric tape; s	WK/1664-97 silver paint	-	<del>-</del>	-	-	NFM: Opaq, Misc. I	90 % Part.	-	-	-			12/29/03 ES	
059298СРL ч ilver рарег wтар ; уе	WK/1664-98 How insulation	-	-	-	-	NFM: Qtz, Carb, Bi	- nder, Opag, j	- Misc. Part.	50 %		-	50 %	1 <b>2/29/0</b> 3 E <b>S</b>	
amples received on: I	Monday, December 22, 2	2003				Authorize	d Signature,				>	·		-

RJ Lee Group, Inc. Bay Area Lab

530 McCormick Street San Leandro, CA 94577 Page: 2 of 3 Stephen S. Yata, Geologist Monday, December 29, 2003 KELLY (EUREKA);

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Phone (510) 567-0480 Fax (510) 567-0488

Date

# EC. 29. 2003 2:57PM R J LEE GROUP INC

# Test Report - Winzler & Kelly

Polarized Light Microscopy Analysis Results Project AOC312345

Sample Number / Sample Appearance 0059299CPL Yellow insulation	Client Sample Number WK/1664-99	er Chrysotile Amosite Cro	cidolite Anthophyl		Cellulose	Mineral Wool	Glass	Syntheti	c Other .	NonFibrot Material	 Is Run Dale 
				NFM: , Misc. Part.	•	•	100 %	-	-	Homogen	12/29/03 ES cous
0059300CPL Roofing material	WK/1664-100			NFM: Qiz, Tar, Carb,	- Binder, (	- Opaq, Finc	20 % Grains, N	Aisc. Part.		80 % Homogene	12/29/03 ES cous

Samples received on: Monday, December 22, 2003

RJ Lee Group, Inc. Bay Area Lab

530 McCormick Street San Leandro, CA 94577 Page: 3 of 3 Date

Authorized Signature

Stephen S. Yata, Geologist Monday, December 29, 2003

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# Test Report - Winzler & Kelly Polarized light Microscopy Analysis results Project AOC312346

					_A chectos					-Nonast	estos			
			~ · · · · · · · · · · · · · · · · · · ·		-, 1300000				Mineral	Fibrous	Synthetic	Other 1	VonFibrous	Run Date
Sample Number /					A .1 613		ı. Anti-olita	Callulace		Glass	Fibers	Fibers	Material	Analyst
Sample Appearance	Client Sample Number	Chrysotile.	Amosite	Crocidolate	Anthophym	ite fremon	te Acutionic	Cenalose	77.001		- 1100.0		20 %	12/23/03
0059376CPL	WK/1664-10i	-	-	-	-	-	-	10 %	50 %	20 %	-	-	20 70	
	71101001101					NFM:,	Misc. Part.							NP
Silver paper w/TSI													Homogen	eous
	1997 U CCA 100		_	-	_	-	-	10%	50%	20 %	•••	-	20 %	12/23/03
0059377CPL	WK/1664-102	-	_			NEM.	Misc. Part.							NP
Silver paper w/TSI						141, 144.	(WISC. I OIL.						Homogen	eous
							_	_			-	_	99+ %	12/23/03
0059378CPL	WK/1664-103	<1 %	-	-	-									NP
Grey sealant	•					NEM: (	Carb, Misc. I	ran.					Homoger	
													Homoger	10003
										75 <b>%</b>	_		25 %	12/23/03
0059379CPL	WK/1664-104	-	-	-	-	-	<del>-</del>	•	•	טא כנ			D3 10	NP
White duct connecte	١r					NFM:.	Misc. Part.						77	
WHITE DOCK COMPONE	д												Homoger	neous
													00.0	12/23/03
ለ <u>ለደስ</u> ታየለ <i>ሮ</i> <b>ከ</b> ፤	WK/1664-105	<1 %	_	_	-	-	-	-	-	-	-	-	99+ %	
0059380CPL	41 YA YAOL TOD	7				NFM:	Carb, Misc.	Part.						NP
Grey sealant						-,·	•						Homoge	neous

Samples received on: Monday, December 22, 2003

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Bay Area Lab

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530 McCormick Street San Leandro, CA 94577 Page: 1 of 1 Authorized Signature \_

Date

Nonette Patron, Geologist Monday, December 29, 2003

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## Test Report - Winzler & Kelly Polarized Light Microscopy Analysis Results

# Project AOC312347

				A	Asbesto	)\$		.,,						
Sample Number /						55', 00' 1', A	a*1	'4- C-33-4-aa	Mineral	Fibrous Glass			Material	s Run Date Analyst
Sample Appearance	Client Sample Numb		Amosile (	Youdolile Ai	nthophy	line Tremolite A	cunoi		Weol	Giass	FIDEIS	PIDEIS		
0059347CPL	WK/1664-106	<1 %	-	•	~			5 %	-	**	-	-	95 %	12/23/03 NP
White joint comp;			_		_	NFM: Carb,	Gyp,	Misc. Pad.					Non Llow	
Layer Content:	Joint Comp 2%	Chrysotile; Ot	her Laye	r : None Dete	xted								Non Hom	ogeneous
0059348CPL	WK/1664-107	<1 %	-	-	-	-	-	5 %	-	-	-	-	95 %	12/23/03
White joint comp;	wht. drywall					NFM: Carb,	<b>G</b> ур,	Misc. Part.						NP
Layer Content:	Joint Comp <15	% Chrysotile;	Other Lay	er : None De	tected								Non Hon	ogeneous
•														
0059349CPL	WK/1664-108	<1 %	_	_	_	-	-	5 %	-	_	-	-	95 %	12/23/03
White joint comp;	•	~ L 10	-			NFM: Carb,	Gvo.	-						NP
Layer Content:	Joint Comp <1	% Chrysotile • (	Other Lav	er : None De	etected		-3,5.						Non Hon	rogeneous
Laiyer Comem.	John Comp 12	io empaonio,	51tor 155)											
								r m	ടവ ശ				43 %	12/23/03
0059350CPL	WK/1664-109	2 %	_	-	-	ericine o c	_	5 %	50 %	•	-	-	43 W	NP
Tan TSI						NFM: Carb,	Gyp,	MUSC. Pail.					Homoger	
													Homoge	100113
0059351CPL	WK/1664-110	-		-	-	-	-	5 %	-	-	•	-	95 %	12/23/03
Brown foam w/fabr	ic					NFM: Mi	sc. Par	1.						NP
													Homoge	neous
0059352CPL	WK/1664-111	2 %	_	_	_	_	_	5 %	50 %	_	-	_	43 %	12/23/03
	A PUICAMIT	Z NI	_			NFM: Carb	. Gyp.		**					NP
Tan TSI						712 112 OMO	, -, -, -,	,					Homoge	neous
													_	

Samples received on: Monday, December 22, 2003

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# Test Report - Winzler & Kelly Polarized Light Microscopy Analysis Results

Project AOC312347

					Asbesios-					-Nonast	estos			
Sample Number /		<b></b>							Mineral	Fibrous Glass	Synthetic	Other I	VonFibrous Material	Run Date Analyst
Sample Appearance 0059353CPL Tan foam w/fabric	Client Sample Number WK/1664-112	- Chrysonia A	mosne C	-	-	NFM: Binder,	-	10 %	-		-	-	90 %	12/23/03 NP
													Homogene	zous
0059354CPL Black caulking	WK/1664-113	٠	-	-	-	NFM: Tat, C	arb, Mis	15 % sc. Part.	-	-	-	-	85 %	12/23/03 NP
, and the second													Homogen	eous
0059355CPL Black caulking	WK/1664-114	•	-	-	-	- NFM: Tar, C	- larb, Mi	10 % sc. Part.	-	-	-	•	90 %	12/23/03 NP
													Homogen	eous ·
0059356CPL Pink fiberglass; br	WK/1664-115 n/silver fabric	-	-	-	•	- NFM: Binder	- , Misc.	5 % Part	80 %	*	-	-	15 %	12/23/03 NP
•													Non Hon	nogeneous
0059357CPL Grey duct patching	WK/1664-116	-	-	-	-	NFM: Carb,	Misc. P	70 % art.	15 %	-	-	-	15 %	12/23/03 NP
, , ,													Homoger	160us
0059358 CPL Grey duct connecto	WK/1664-117 r	•	-	-	•	NFM: Binde	- r, Misc.	- Part.	-	50 %	•	-	50 %	12/23/03 NP
,												4	Homoge	пеоиѕ

Samples received on: Monday, December 22, 2003

RJ Lee Group, Inc.

Bay Area Lab

530 McCormick Street San Leandro, CA 94577

Page: 2 of 4

Authorized Signature

Date

Nonette Patron, Geologist Monday, December 29, 2003

Phone Fax

Monachaetae

# Test Report - Winzler & Kelly

# Polarized Light Microscopy Analysis Results Project AOC312347

					Asbestos				-Nonasb	estos			
Sample Number /													s Run Date
Sample Appearance	Client Sample Number	Chrysotile	Amosite (	Crocidolite	Anthophylli	te Tremolite A	ctinolite Cellulose	Wool	Glass	Fibers	Fibers	Material	Analyst
0059359CPL	WK/1664-118	2 %	-	-	•	-		-	-	-	-	98 %	12/23/03
Grey sealant						NFM: Carb,	Misc. Part.						NP
•												Homogen	eous
0059360CPL Silver paper wrap;	WK/1664-119 wht. vellow TSI	-	-	-	-	- NFM: Binder	- 5 %	50 %	-	-	-	45 %	12/23/03 NP
Olliny byber med t												Non Hom	ogeneous
0059361 CPL Black duct connector	WK/1664-120	-	-	-	-	- NFM: Binder	r. Misc. Part.	=	85 %	-	-	15 %	12/23/03 NP
Diack adet conference	•						•					Homogen	eous
0059362CPL	WK/1664-121	<1 %	%</td <td>-</td> <td>-</td> <td> NFM • Carb</td> <td>- 5 % Gyp, Misc. Part.</td> <td>50 %</td> <td></td> <td>-</td> <td>-</td> <td>45 %</td> <td>12/23/03 NP</td>	-	-	 NFM • Carb	- 5 % Gyp, Misc. Part.	50 %		-	-	45 %	12/23/03 NP
Tan loose debris						min, cao,	Ojp, maa iat.					Homogen	
								***				00 A	10/02/02
0059363CPL	WK/1664-122	-	-	-	-	NFM: Binde	- 10 %	70 %	-	_	-	20 %	12/23/03 NP
Tan paper wrap ; ye	alow 131					THE DATE OF	ry Italiaw a wate					Non Hon	nogeneous
		.1 04					- 3%	50 %			_	47 %	12/23/03
0059364CPL	WK/1664-123	<1 %	-	-	-	NFM: Gyp,	- '-	אייטר	-	-	_	עת זור	NP
Tan loose debris						ит нат оур,	MALOU. CEST.					Homoger	

Samples received on: Monday, December 22, 2003

Authorized Signature \_\_

Date

Nonette Patron, Geologist Monday, December 29, 2003

530 McCormick Street San Leandro, CA 94577 Page: 3 of 4 Phone Fax

(510) 567-0480 (510) 567-0488

RJ Lee Group, Inc. Bay Area Lab

# DEC. 29. 2003 GROUP INC -> WINZLER & KELLY (EUREKA); NO. 0519

# Test Report - Winzler & Kelly Polarized Light Microscopy Analysis Results Project AOC312347

			<del>-</del>		Asbestos-					-Nonast	estos			-
0 137. 3.4									Mineral	Fibrous	Synthetic	Other I	NonFibrou	s Run Date
Sample Number /	Client Sample Number	Chrysotile	A mosite	Crocidoli	e Anthophyllit	e Tremolite	Actinolite			Glass	Fibers	Fibers	Material	Analyst
	WK/1664-124	2 %	- CHIODITO	~		-	-	10 %	50 %	-	-	•	38 %	12/23/03
0059365CPL	MW1004-154	2 30				NFM: Carl	b, Binder,	Gyp, Misc	. Part.					NP
Tan TSI								,					Homogen	eous
0059366CPL	WK/1664-125	2%	-	-	•	-	-	10 %	50 %	-	-	•	38 %	12/23/03
Tan TSI						NFM: Car	ь, Binder,	Gyp, Misc	. Part.					NP
****													Homogen	ieous

Samples received on: Monday, December 22, 2003

RJ Lee Group, Inc. Bay Area Lab

530 McCormick Street San Leandro, CA 94577 Page: 4 of 4

Authorized Signature.

Date

Nonette Patron, Geologist Monday, December 29, 2003

Phone

(510) 567-0480

Fax

(510) 567-0488

# Test Report - Winzler & Kelly Polarized Light Microscopy Analysis Results Project AOC312348

Caralla Nov. 1					sbesto	S				-Nonast	estos	u		_
Sample Number / Sample Appearance	Client Sample Number	Chrysotile	Amosite C	Crocidolite At	nhophyl	lile Tremolite	Actinolite	e Cellulose	P. Simonal	Fibrous Glass	Synthetic	Other	NonFibrou Material	is Run Date Analysi
0059367CPL White TSI	WK/1664-126	15 %	25 %	<u>.</u>	-	NFM: Carb	-	-	-	**	*	**	60 %	12/23/03 NP
													Homogen	eous
0059368CPL Grey patching	WK/1664-127	10 %	-	•	-	- NFM: Carb	Misc. P	- 'an'.	-	5 %	-	-	85 %	12/23/03 NP
													Homogen	cous
0059369 CPL Black /silver coating	WK/1664-128	~	-	-	-	NFM: Tai,	Carb, Mi	- isc. Part.	-	15 %	-	-	85 %	12/23/03 NP
	•												Homogen	cous
0059370CPL Black/silver coating	WK/1664-129	-	-	-	-	- NFM: Tar,	- Carb, Mi	isc. Part.	-	15 %	-	-	85 %	12/23/03 NP
													Non Hom	ogeneous
0059371 CPL Silver coating	WK/1664-130	-	-	-	-	- NFM: Tar,	- Carb, Mi	15 % isc. Part.	-	-	•	-	85 %	12/23/03 NP
													Homogen	
0059372CPL White loose debris	WK/1664-131	-	-	-	-	- NFM: Carb,	- , Gyp, М	15 % lisc. Part.	5 %		-	-	80 %	12/23/03 NP
													Homogen	cous

Samples received on: Monday, December 22, 2003

Authorized Signature

Date

Nonette Patron Geologist Monday, December 29, 2003

Phone Fax (510) 567-0480 (510) 567-0488

RJ Lee Group, Inc. Bay Area Lab

530 McCormick Street San Leandro, CA 94577 Page: 1 of 2

# DEC. 29. 2003

# Test Report - Winzler & Kelly Polarized Light Microscopy Analysis Results Project AOC312348

6		the service of the first			Asbesto	)S		· ~~~~~		-Nonasi	bestos			<u></u>
	Client Sample Number	Chrysotile	Amosite	Crocidoli					Mineral			c Other I		s Run Date
0059373CPL Tan patching	WK/1664-132	10 %	-	•	-	NFM: Cari	o, Misc. P	ari.	-	•	-	*	90 %	12/23/03 NP
*													Homogen	eous
0059374CPL White joint taping	WK/1664-133	-	-	•	-	· NFM: Carb	- o, Opaq, i	25 % Misc. Part.	-	-	•	-	75 % Homograp	12/23/03 NP
0059375 CPL Black mastic	WK/1664-134	-	-		-	NFM: Tar,	Carb, M	10 % isc. Part.	-	-	-	-	Homogen 90 % Homogen	12/23/03 NP

Samples received on: Monday, December 22, 2003

Authorized Signature

Date

Nonette Patron, Geologist Monday, December 29, 2003

Phone Fax (510) 567-0480 (510) 567-0488

RJ Lee Group, Inc. Bay Area Lab

530 McCormick Street San Leandro, CA 94577 Page: 2 of 2

(EUREKA);

Page

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NO. 1283

# Test Report - Winzler & Kelly

## Polarized Light Microscopy Analysis Results Project AOC401318

				·	Asbestos									
Sample Number /									Mineral	Fibrous				s Run Date
Sample Appearance	Client Sample Number	Chrysotile	e Amosite	Crocidolite	Anthophyll	ite Tremolite	Actinol	ite Cellulose	Weel	Glass	Fibers	Fibers	Material	Analyst
0060755CPL	WK/1664-135	10 %	-	-	-	_	-	15 %	25 %	-	_	-	50 %	1/28/04
White TSI						NFM: Cart	o, Gyp,	Misc. Part.						NP
													Homogen	eous
0060756CPL White TSI	WK/1664-136	10 %	25 %	-	•	NFM: Carl	- ь, Gyp,	- Misc. Part.		-	•	-	65 %	1/28/04 NP
41 55500 7 404													Homoger	neous

Samples received on: Wednesday, January 28, 2004

Authorized Signature

Date

Nonette Patron, Geologist Wednesday, January 28, 2004

Phone Fax

(510) 567-0480 (510) 567-0488

530 McCormick Street San Leandro, CA 94577

RJ Lee Group, Inc. Bay Area Lab

Page: 1 of 1





# Bulk Asbestos Analysis (EPA Method 600/R-93-116, Visual Area Estimation)

Winzler & Kelly Clay Guzi Consulting & Engineering 633 Third St.

Client ID: 1883 Report Number: B057285 Date Received: 01/09/04 Date Analyzed: 01/12/04

Eureka, CA 9550	01				Date Printed First Report	<b>1:</b> 01/1	12/04 12/04 19/04
Job ID / Site:	03166404.030 - HV-5/Gym				FASI Job II	): 1,88	3-69
Sample Number	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent Laye
WK11664-17-D Layer: Off-White V	I 0292181		2.772				
	llues of Fibrous Components:	Ashestos:(ND)	ND				
WK11664-18-D Layer: Yellow Fibro	10292182 ous Material		ND			Well the second	
Total Composite Va Cellulose (Trace%) Comment: Collecte	lucs of Fibrous Components: Fibrous Glass (99%) ed on 01/07/2004	Asbestos:(ND)		+ # # # # # # # # # # # # # # # # # # #			-
WK11664-19-D Layer: Off-White W Layer: Yellow Fibro			ND ND				
	lues of Fibrous Components: Fibrous Glass (10%) Ed on 01/07/2004	Asbestos:(ND)					
WK11664-20-D Layer: Yellow Fibro	10292184 us Material		ND				
Total Composite Val Cellulosc (Trace%) Comment: Collecte	ues of Fibrous Components: Fibrous Glass (99%) d on 01/07/2004	Asbestos:(ND)					-
WK11664-21-D  Layer: Black Non-Fil  Layer: Off-White Fib  Layer: Yellow Adhes	rous Material	Chrysotile	ND ND 7 %				
	ues of Fibrous Components:	Asbestos:(Trace)					

Cellulose (Trace%)

Fibrous Glass (80%)

Comment: Collected on 01/07/2004



## Forensic Analytical

Amended Report

# Bulk Asbestos Analysis

(EPA Method 600/R-93-116, Visual Area Estimation)

Winzler & Kelly Clay Guzi Consulting & Engineering 633 Third St. Eureka, CA 95501

Client ID: 1883 Report Number: B057285 Date Received: 01/09/04 Date Analyzed: 01/12/04 Date Printed: 01/12/04 First Reported: 01/09/04

Job ID / Site:

03166404.030 - HV-5/Gym

FASI Job ID:

1883-69

Sample Number Lab Number Asbestos Percent in Asbestos Percent in Asbestos Percent Type Layer Type Layer Type WK11664-22-D Laver 10292186 Layer: Black Non-Fibrous Material ND

Layer: Off-White Fibrous Material Layer: Yellow Adhesive

ND Chrysotile 7 %

Total Composite Values of Fibrous Components: Cellulose (Trace%)

Fibrous Glass (80%)

Comment: Collected on 01/07/2004

Asbestos:(Trace)

James Flores, Laboratory Supervisor, Hayward Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'. Analytical results and reports are generated by Forensic Analytical at the request of and for the exclusive use of the person or entity (client) named on such report. Results, reports or copies of same will not be released by Forensic Analytical to any third party without prior written request from client. This report applies only to the sample(s) tested. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full, unless approved by Forensic Analytical. The client is solely responsible for the use and interpretation of test results and reports requested from Forensic Analytical. This report must not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government. Forensic Analytical is not able to assess the degree of hazard resulting from materials analyzed. Forensic Analytical reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified. All samples

eceived:	12/29/03 13:45;	510 567	0488	-> WINZLER & KEL	LY (EUREK	A); Page 3	3
DEC. 29. 20	03 1:33PM OR J LEE GRO	UP INC			NO.	0501 P. 3	3/3 .
	rak hesults t	<u>s</u> (	101	602i (-	707)4	744-83	33a
<b>₹</b>	WINZLER & KE	LLY	Phone:	בוו ני"יי	-8326	Date: 12	-11-03
	633 Third Street		Circle	the Method and Turn	tround Time	Rosults Nee	
	Eureka, California 95501 707.443,8326	(7)		Hr/12-hr/24-hr/48-1	n/Rxt	12-8	ル <u>る3</u>
	fax 707.444.8330 www.w-and-k.com	4	PLM:	Standard Point Count		Gravimetry	Prep
	eka@w-and-k.com	,	'	•			
CONTAC	T: Clay Guz;		Job#(	03166404.0	2 ^	Site	. 0
						Site Eggip.	ment Ka
	BULK S	AMP	LE (	COLLECTI	ON $\angle$	All Car 10	/.
Sample	Sample Description			eation	Material	1005/1/	200
Number	-	6	~-•		Type	Material Condition	Friable
12x11664-		Helmet	h et Fili	- Storage Rm.			
	TSI- Spra-glass, 30 Harris	north.	<u> १८५५ ट</u>	scae- of sudiator	ISI	NO	
			···	•	_		
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			<del></del>				
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Damag	e Categories: Not Damaged = ND Damaged = DG		•	, Material 7	ype: Thermal :	System Insulatio	n = TSI
	Significantly Damaged = S	D			Surfacin	g Material = SM neous Material =	
	Potential Damage = PD Potentially Significant = PS	SD			1,11200011	neces interestal -	• IATIAT
Sampled	by: Misha Schusarz		Date:	· In te			Y=04
Relinquis	shed by: Parallel		L/ale;			Time:	
Date/Tin	ie: La da	* (14-	1	Received by: Date/Time:	-12-03		
		:45		Sealed Condition	(circle one	YES /NO	
Relinqui Date/Tin				Received by: $\alpha_{\xi}$		, , 110	· · · · · · · · · · · · · · · · · · ·
Date/III	.10.			Date/Time:	12/22	(a 10.8	V
<u> </u>				Sealed Condition	(circle one	YES /No	

# BULK SAMPLE COLLECTION

Samp Numb		Sample Description	Location	Material Type	Material Condition	Friable
m1166	7-	Dust Fabric, white	HU-21 Madraical Rm., South Side	MM	NO	F
		Spyn-glass on ducting fabric	ا ما	TSI	24	F
'1 L		Dut Fabric, white	11	MM.	NO	F
"	5	"Spra-gloss under to beix	(1	TSI	NO	F
11	 6	Duct Fabric, White	١١.	MM	CN	F
٠( )٠	7	Spragales under fakris	c. (1	TSI	NO	F
·/\	 S	Duck connector black	16	MM.	NO	E
'' '	<u> </u>	de VI	. Southside	MM	NO	F
(1	0	Fabric over TSI, White		1	an	F
	ــــــ ۱۱	TSI-"spun-glass", 3" O Heri			NO	F
	<u>a</u>	Filme over TST, 5" OH		MM	NO	F
1.1	13	TST-"Spun-glass", 5" OH		TSI	· ND	F
	14 14	TEST-"Springlass, 5" D Flbe.	<b>,</b>	TST	NO	F
·	15	Folia was TSI, 4" D Vort	23	TSI	NO	ア
The same of the last of the la				TSI	, MO.	F
The second laboration of the l		TSI- "spunglace", 4" 20 Vo		TSI		i

Damage Categories: Not Damaged = ND Damaged = DG Significantly Damaged = \$D

Potential Damage = PD

Potentially Significant = PSD

Material Type: Thermal System Insulation = TSI Surfacing Material = SM Miscellaneous Material = MM

Sampled by: Misha Schwasz	Date: 12-11-03	Time:
Relinquished by: ( ) 7. 45	Received by: \$\frac{F_6_0}{Date/Time: 13-Sealed Condition (cir.)	- Ex (2-03 role one) YES / NO
Relinquished by: Date/Time:		1 19/22 @ 10:N

Sample Number	Sample Description	Location	Material Type	Material Condition	Friable
WF/1664 -	Duct Fabile White	HU-5, Marlianian Ray - Side	MM	ND	F
" 1g	TSI-"squadass" on duction		TSI	NO	F
19	Out Estice White	R · · · · · · · · · · · · · · · · · · ·	MM	NO	F
" ga	TST"spin-glass" on duting	· rc	TST	ND	F
" 21	Duct Consider, Black	ie (	mm	MO	F
22	1,	11	MM	NO	
" 23	White Fabor a var TSI, 35" D Vart	t, t	MM	ND	F
124	TST-spun-glass, 350 Vort		TSI	NO	<u> </u>
" 25	FLOWER TO 5 N HOLIZ	1. Sanda	MM	NO	F
" 26	15I- Spra Slobby water fabris				
			•		
		***			
				•	

Damage Categories: Not Damaged = ND
Damaged = DG
Significantly Damaged = SD
Potential Damage = PD
Potentially Significant = PSD

Material Type: Thermal System Insulation = TSI Surfacing Material = SM Miscellaneous Material = MM

777000	Date: 12-11-03 Time:
Relinquished by: 6 23 Date/Time: 12-12-03 07.45	Received by: Fed-Ex  Date/Time: 13-13-25  Sealed Condition (circle one) YES / NO
Relinquished by: Date/Time:	Received by: Affirst 12/22 (a) 9:57 Date/Time; Sealed Condition (circle one) YES /No

Received	: 12/29/03 16:25;	510 567 0488	-> WINZLER & F	KELLY (EUF	EKA); Page	10
¯DEC. 29.			Guzi (7	07) 4	10.0518 177-85	10/10 <b>ン</b> ジ
			707) 443.		Date: 13-11-	
***	WIZER KE	E N = Circle the	Method and Turnat	round Time	Results Need	ed:
	633 Third Street Eureka, California 95501		12-hr/24-hr/48-h	r/Ext	Gravinetry F	
•	707.443.8326 fax 707.444.8330 www.w-and-k.com eka@w-and-k.com	PLM: Star	ndard Point Count		Grav misny r	тер
CONTACT		Job # 01	316404.03	<i>&gt;</i>	Site A A	the Shoo
3123		SAMPLE C				
Sample Number	Sample Description	Loca	<del></del>	Material Type	Material Condition	Friable
-141664-	Covering an top of heat shield	Ata Cacaca	*139 South Side	MM	NO	F
<del>27</del>	"	(1	· tı	MM	NO	
		,				
			· · · · · · · · · · · · · · · · · · ·			
						1
			<u> </u>			<u> </u>
·						
			•	•		
-					•	
			<u> </u>			
Dam	age Categories: Not Damaged = ND Damaged = DG Significantly Damaged Potential Damage = PD Potentially Significant =		Materia	Surfa	nal System Insula: .cing Material = S cilaneous Meteria	M
Sample	odby: Mish, Schwar	2 Date	: 12-11-03		Time:	
Relinq Date/T	nished by:	07:45	Received by: Date/Time: Sealed Conditi	12-12-6	3	0
Reling Date/T	uished by:		Received by: Date/Time: Sealed Condit	19 12 12 12 12 12 12 12 12 12 12 12 12 12	22. @ K	20,00

Received: 12/29/03 15:03;	510 567	0488 -> WINZLER	& KELLY (EUNEN	A); raye s
DEC. 29. 2003, 2:51PM R J LEE	GROUP INC		NO.	0513 P. 9/11 · .
tax Kesults	to C	lay Guzi	$(707)^{6}$	<u>144-</u> 8336
WINZLERSER	ELLY		443-8326	Date: 12-16-03
633 Third Street Eureka, California 95501	3	Circle the Method an		Results Needed:
707.443.8326 fax 707.444.8330 www.w-and-k.com eka@w-and-k.com	4	FLM: Standard Point	Count	Gravimetry Prep
CONTACT: Clay Guz:		Job# 0316646	04.030	Site Cradius Arts

AUC 3/234/

# BULK SAMPLE COLLECTION

Sample Number	Sample Description	Location	Material Type	Material Condition	Friable
29 WKI1664-	5.C. /SR	If V- 4 Wall Southwast can	, ym	NO	F
30	10	" Southwest are	MM	NO	<b>}</b> -
31	Durch toping, white	HV-4, Large Doding 5: do	MM	NO	NF
3.2	, 4		MM	ND	NF
33	1,	HV-4 " Eist"	MM	NO	NF
34	ſ,	ا با دولی دو کم	MM	NO	NF
35	Pust connector, while	" North	MM	NO	NF
36	ISI, D.S O Hasiz	e suph Side	MM	NO	F
37	Paper will TET-spingless		TSI	NO	<b></b>
38	Paper Wisp an TSIO Hor	(1)	TE MM	ND	F
34	J.C./8R	MV-5/1/all, Worthwest Side	my	NO	F
40	60	" Nathoust -"	mn	NO	F
41	Part toping, white	HV-5 barge Puting Forth	MM	NO	NF
43	4.	,,	MM.	NO	NF
43	La contraction of the contractio	) •	MM.	NO	NF

Damage Categories: Not Damaged = ND
Damaged = DG
Significantly Damaged = SD
Potential Damage = PD
Potentially Significant = PSD

Date: 12-16-03	Time:
Received by: Follows Date/Time: 13-1 Sealed Condition (circ)	E
Received by: Date/Time:	12/22.60 10:00
	Received by: Follows Date/Time: 12-1 Sealed Condition (circ.)

510 567 0488 -> WINZLER & KELLY (EUREKA); Page 10

DEC. 29. 2003 2:51PM R J LEE GROUP INC NO. 0513 Phone: 443-8326 633 Third Street 0 0 N ENPINECR Circle the Method and Turnaround Time Results Needed: Eureka, California 95501 707.443.8326 fax 707.444.8330 www.w-and-k.com eke@w-and-k.com Hr/12-hr/24-hr/48-hr/Ext 12-26-03 PLM: Standard/Point Count Gravimetry Prep CONTACT: 602: Јођ# 03166404 Site (codive

### BULK SAMPLE COLLECTION

Saxriple Number	Sample Description	Location	Material Type	Material Condition	Friable
144 0x11864-	But consitor, white	HV-5 Larga Dusting South Side	MM	NO	NF
45	Piper Wal Dur TET 2.5"	HV-5, North Side	MM	NO	7
46	FSI-spun-glass, 25" S		IST	MO	F
	Cladh wrop over 1ST 25"0 Providence TET 25"0		MM	NO	j-
48	TELES MISE OVER ACET	17	MM	NO	F
49 50	1 2 4 6000 reduce 1.1.12	Exterior Roof Wordlands Wing	TSI	NO	F
51	Till Ball Process	Exterior hoof Northwest Wing	TET	2	UF
52	Tor Cloth Wrop on to HVAL	sit (c	MM	NO	NF
53	TSI soun glass, 30 Vort	•	MM	NO	NF
54	and toping white Wascen		ST	N-D	<u> </u>
55	10 )	kr	WW:	NO	NF
56	17	SI .	MN	NO.	NF
57	ic it	ę r	MM.	NO	NF
5 8 Dans	Silvec Paper o Sava-glass on ducting  Categories: Not Damaged = NO	Exterior, hoof of Horling	MM/TSI	NO	

Damage Categories: Not Damaged = ND

Damaged = DG
Significantly Damaged = SD
Potential Damage = PD

Potentially Significant = PSD

Relinquished by: P. Schwerz	Date: 12-16-03 Time:
Date/Time: 12-19-03 08:15	Received by: Fed-Ex  Date/Time: 12-19-03  Sealed Condition (circle one) YES/NO
Relinquished by: Date/Time:	Received by:  Date/Time:  Sealed Condition (circle one) YES /No
	7 ( TOTO OTTO) 1 ( TOTO /1/0

Sample Number	Sample Description	-	Location		Material Type	Material Condition	Friable
59	Silver Paper Wesp Horiz	Enterior	Roof allie Mosters	<i>#</i>	MM/TSI	NVO	F
60	Silver Paper West Horiz	(1		•	mm	NO	4
61	TST, sprn-glass 25"OHoriz	u		(1	TST.	NO	<u> </u>
62	TST, spra-glas, 25"Othering	`*5	Roofattie off Concider		MM/TSI	NO	F
63	1) Toing Wrap	1.5		31	MM [75]	CIN	F
64	Taper, Silver, 4"0 Hor	3 4 D			MM	NO	T
65	TSJ. Sava-alics 4" D De	ň.	Ş.	٠.	TSI	NO	F
166	Joint Was Paper, Silmi	f+	٠,		MM	NO	F
		<u> </u>			,		
				_			
		-	The state of the s				
L					•	•	

Dannaged = ND
Dannaged = DG
Significantly Description

Significantly Damaged = SD Potential Damage = PD Potentially Significant = PSD

Sampled by: Misha Schwarz	Date: 12-18-03 Time:
Relinquished by: Cl 1; Date/Time: 12-19-03 08:15	Received by: Fell - Ex Date/Time: 13-(9-03 Sealed Condition (circle one) YES / NO
Relinquished by: Date/Time:	Received by: And 1912 @ 10:00 AM Sealed Condition (circle one) YES No

DEC. 29, 2003 4:12PM

R J IFF GROUP INC

NO. 0518 P. 7/10

0 L O	W O FFF	anoor ino		14.0	7. V2 10 1. 17 10
- Fax P	esults	to CI	dy Guzi	(707) 4	144-83.30
XX WINZL	er&k	بالاحبىلامىللانىيان		443-8326	Date: 12-16-03
9 0 4 6 U L 7 1 633 Thi	IN STREET fornie 95501	N E E D C	Circle the Method ar	nd Turnaround Time hr/48-hr/Ext	Results Needed:
707.44 fax 707.	}3.8326 <del>444</del> ,8330		LM: Standard Point	Count	Gravimetry Prep
	ind-k.com ind-k.com				
CONTACT: Clay	602i	J	00# 031669	04.030	Site Phys. Set.

A0C312342

### **BULK SAMPLE COLLECTION**

Sam; Num	ber	Sample Description west (?	Location	Material Type	Material Condition	Friable
DK1161	64-	Silver Paper and TSI-spungings Ton , 3" 8 Horiz.	Extersor, Roaf - Northwest Hing	MM/TSI	NO	F
''	68	TEET SALL TO LOSE 3.5 "O House	10,	T5T	NO.	F
" (	196	Gilon Paper wrap & D Heri	ie u	MM/TSI	NO	F
1 7		Seam Colling Gray a TSI	,	MM		NF
1,	71	Paint 1 + Gary on Duking	l a. f	MM	ND	F
1. 7	(2)	Seem Couking Grey	Exterior Goof-Southern Wing	MM	NO	NF
7	13	Silver Poper wrop 2 1 Horiz	- 1	MM/757	ND	_£
	14	Point Lt. Grey on Duties	Exterior Roof-Northard Win	MM	NO	E
~1	5	Give pager wrap & \$55 5000-91		MM/TS1	NO	F
<u> </u> -1	1	End coulding races on 35" a	(t	mm	NO	NF
-7	77	Seam coulding, "	cq , '\	mm	NO	NF
7	7 &	Silver Taper Hospa TST- sprang	Uss Exterior Roof, section	mm1751	NO.	F
	79	Ind Scalar Gray Hose from	1	MM	NO	NF
ļ 						

Demage Categories: Not Damaged = NO
Damaged = DG
Significantly Damaged = SD
Potential Damage = PD
Potentially Significant = PSD

Sampled by: Misha Schwerz	Date: 12-16-03	Time:
Relinquished by: Cf 2 2 2 28:15	Received by: Fel- Date/Time: Sealed Condition Circl	9-23 e one) YES / NO
Relinquished by: Date/Time:	Received by: Date/Time: Sealed Condition (circle)	· 12/22 @ 10:00A. le one) YES /No

4

Sampled by: Misha Schwerz	Date: 12-16-03 Time:
Relinquished by: Co 7: Date/Time: 19-19-03 08:15	Received by: Fol-Fy Date/Time: (2-19-03) Sealed Condition (circle one) YES /NO
Relinquished by: Date/Time:	Received by: 12/22 @ 10:00) Date/Time: Sealed Condition (circle one) YES /No

NO. 0519 P. 14/14

Fox Results to (	lay Guzi (707) 6	144-8330
WINZLER & KELLY	Phone: (707) 443-8326	Date: 12-17-03
633 Third Street  Eureka, California 95501	Hr/12-hr/24-hr/48-hr/Ext	Restalts Needed:
707.443.8326 fax 707.444.8330 www.w-and-k.com	PLM: Standard Point Count	Gravimetry Prep
eka@w-and-k.com		
CONTACT: Clay Guz:	JOD# 03166404.030	Sito HV-8 Gym

A0C312344

#### BULK SAMPLE COLLECTION

Sample Number	Sample Description	Location	Material Type	Material Condition	Friable
x11664-	Culking, white	Large ducting off HVAC	MM	P	WF
८२	white cloth wrap & TSI-	Piping off HVAC unit, south	MM/TSI	NO	F
83	Silver Paper Wrop + TST-		MM/TSI	MO	F
84	White Cloth Wior TSI	Piping in northwest conner	MM/TSI	NO	F
§ s	h theiz	1/4	MM/TSI	NO	je
86	white correspond paper	(c su	no /TSI	NP	F
				,	
-					
			,		
•			_	,	
		The second of th		A. P. P. P. B.	
**************************************		<u> </u>			

Damage Categories: Not Damaged = ND
Damaged = DG
Significantly Damaged = SD
Potential Damage = PD
Potentially Significant = PSD

Sampled by: Clay Guzi		: 12-17-03	Time:
Relinquished by: 12-19-63	v8i15		a- 19- 03 circle one) YES/NO
Relinquished by: Date/Time:			f 12/22 @ 10.50) circle one) YBS No

NO 0515

DEC. 29, 2003 2:5/PM 💂 R J LEE GROOF INC	NO.	ל זו עועט
tax Results to (		144-8336
WINZIERSKELLY	Phone: (707) 443-8326	Date: 12-17-03
633 Third Street Eureka, California 95501 707.443.8326	Hr/12-hr/24-hr/48-hr/Ext	Results Needed: (3- 36- 03
fax 707.444.8330 www.w-and-k.com eka@w-and-k.com	PLM: Standard Point Count	Gravimetry Prep
CONTACT: Clay Guz;	Job# 03166404, 030	Site Pool Filtur Gue
17/07/	1300 # 03166404,030	Site Popl Filter- Gy

A00312345

## BULK SAMPLE COLLECTION

Sample Number	Sample Description	Location	Material Type	Material Condition	Friable
UN 1664-	151 dobris, white	Floor , North of decess hotel	TSI	SO	·F
<u>88</u>	M-dded binto 6/4 151- Blue	e Pirethy doors ricess botch	·MM	0	F
<u>69</u>	152, White 350 Harie.	South of eccess batch	TSI	D	F
90	M-Idad Elbowon 35"9 Horiz.	Co kg	MM	0	7-
<del></del>	TSI, White 31 O Vort.	11	757	D	F
	TO LOCK M. LOD A DO NOW	North "	MM	D	F
93	TSI - squa-glass, 4"D Vist	76	TSI	P	F
74	Duct toping, white	Central hours, East of access dar	MM	NO	WF
95	TST-2949-9489, pink	is conseed with viscoving	TST	P	F
	Triposite Sping es - Vaccina	" below round ducting east side of room	My	NO	NF
91	Duct toping, white Silver Paper wrop over TSI.	Eastern hoom, on royal duding	MM	NO	WF
78	4 49 Hors	Central Room, north cito	MM	O	F
99	TSI-SPUN-Glass, 4"OHOGZ Composito stragles layed over flooring	1	TSI	P	F
(00	over Pleating	or just cast of	MM.	MO	N)-
The section of the se	Categories Not There do No		•		· · · · · · · · · · · · · · · · · · ·

Damage Categories: Not Damaged = ND

Damaged = DG Significantly Damaged = SD

Potential Darnage = PD
Potentially Significant = PSD

Sampled by: Clay 6, z;	Date: 13-17-03 Time:	· · · · · · · · · · · · · · · · · · ·
Relinquished by: Date/Time: 13-19-63 08:15	Received by: Fod-Ex Date/Time: 12-19-03 Sealed Condition (circle)	-
Relinquished by: Date/Fime:	Sealed Condition (circle one) YES / NO Received by: Date/Time: 12/12. @ /0:00 At	M
	Sealed Condition (circle one) YES /No	

12/29/03 16:24; 510 567 0488 -> WINZLER & KELLY (EUREKA); Received: DEC. 29, 2003 4:12PM R J LEE GROUP INC NO. 0518 707 Dates 443-8326 Phone: Circle the Method and Turnaround Time Results Needed: 633 Third Speet 12-06-03 Hr/12-hr/24-hr/48-hr/Ext Eureka, California 95501 707.443.8326 fax 707.444.8330 PLM: Standard Point Count Gravimetry Prep www.w-and-k.com eka@w-and-k.com Site O) J Libiary Job# 031664 04. 602 contact: ( BULK SAMPLE COLLECTION Material Material Friable Location Sample Description Sarnple Conclition Type Number 15: lugz Papo ( Wrop & TSI-Exterior, root LKILLLYspun glass 5"D Hasiz w/ matal IOL north 102 TST, 4" NO 103 ND MPu 104 MM <u> الروق</u> 185

Damage Categories: Not Damaged = ND
Damaged = DG
Significantly Damaged = SD
Potential Damage = PD
Potentially Significant = PSD

Sampled by: Clay 602	Date: 12-17-03 Time:
Relinquished by: Of Market Time: 13-19-03 08:15	Received by: f-d-=x Date/Time: 12-19-03 Sealed Condition (circle one) YES / NO
Relinquished by: Date/Time:	Received by: 12/22 @ 10:00 A Date/Time: 12/22 @ 10:00 A Scaled Condition (circle one) YES /No

DEC 20 2003 4.14PM R .L LEE GROUP INC

NO. 0519 P. 10/14 ' .

UCO. 29, 2000 4. [41M] NO LEE GROOT INO	_ ```	0. 03 13
Fox Results to C	lay Guzi (707) 4	144-8330
WINZLER & KELLY	Phone: (707) 443-8326	Date: 12-17-03
633 Third Street Eureka, Callfornia 95501	Circle the Method and Turnaround Time  Hr/12-hr/24-hr/48-hr/Ext	Results Needed:
707.443.8326 fax 707.444.8330	PLM: Standard Point Count	Gravimetry Prep
www.wand-k.com cka@wand-k.com		
CONTACT: Clay Guzi	Job# 03166404.030	Site Form

AOC 31234

# BULK SAMPLE COLLECTION ACC312347

Sample Number	Sample Description	Location	Material Type	Material Condition	Friable
106	J.C./SR	Interior, Forum triangular room at southeast corner FM K	3 MM	NO	F
107	(1	ie . le	MM	NO	F
(05	ć,	es u	MM	WD	F
109	155.3" O Elber	Interior, Forum Theatre backstage piping off radiator	TST	NO	E
110	White fabric wine = TEL	1	TST	NO	F
111	white fabric wing & TSI,	11	TSI	0	F
(5)	While Publics TSI-spun-glass		TST	NO	Ŧ.
113	Calking, Black on Retin	Exterior, Edstornmost Roof	MM	NO	NF
114	le in	ا ما اما	'MM	NO	NF
145	lan fabric cover & TSI-SP. 3" D Rolls.	s - a Hie - N.E cal	MM/TS	† D_	F
(16	Dust Rotching Nohite	-attic - andor plan.		NO	NF
117	Duck Connector, Grey	Exterior, Westernmost Roof	MM	NO.	NF
-118	•	Exterior, Vesterment Road above Hecess batch	MM	NO	NF
119	Filos paper was alter- Silver paper was alter- Spraglass, 34" O bear of go	<u>, , , , , , , , , , , , , , , , , , , </u>	MM/15	E ND	F
(20	Dut Connector, Grey	Enterior, Westermost Range	MM	NO	NF

Damage Categories: Not Damaged = ND

Damaged = DG

Significantly Damaged = SD Potential Damage = PD

Potentially Significant = PSD

Sampled by: Clay Gosi		Date: 12-17		Time:
Relinquished by: Date/Time: 12-19-03	88:(5	Date/Tim	by: Fed- e: 13- ondition (circ	
Relinquished by: Date/Time:				1922 (2) 10:10) cle one) YES (No

Sample Number	Sample Description	Location affic		Material Condition	Friable
131 nx11064 -	Loose Dabis	Exterior, westernmost read west of access hatch on north sid	MM	S O	F
122	sour-glass 500 Horizal and julie	Exterior, Westernment roof west of access hatch an north side Exterior, westernest roof south Exterior, westernest roof affice an south side	MM/TST	NO	F
123	Loose Debis	Exterior, westernost roof affice	MM	50	F
124	1234000 (7 / 040	(c	MM/TSI	NO	F
125	" 3.75"0	w 11	MMFIST	NO	P
					W-40/W-14
		,			
		-			

Damage Categories: Not Damaged = ND
Damaged ≈ DG
Significantly Damaged = SD
Potential Damage ≈ PD

Potentially Significant = PSD

Sampled by: ()	su Gori	Dat	te: 12-17-03	Time:
Relinquished by: Date/Time:	Cy 7i 12-19-03	08:15	Received by: Fed- Date/Time: 13-15 Sealed Condition (circ.	Ex 1.03 le one) YES / NO
Relinquished by: Date/Time:				18/22 @ 10:00 AM

R J LFF GROUP INC

NO. 0503 P. 4/4

DEG. Zy. ZVVJ F.JJIIII N V CCC WROO! INV		
Fex Results to C	lay Guzi (707) 4	144-8330
WINZLER & KELLY	Phone: (707) 443-8326	Date: [3-18-03
633 Third Sucer . 2  Eureka, California 95501	Circle the Method and Turnaround Time  Hr/12-hr/24-hr/48-hr/Ext	Regults Needed:
707.443.8326 fax 707.444.8330 www.w-and-k.com eks@w-and-k.com	PLM: Standard Point Count	Gravimetry Prep
CONTACT: Clay 602;	Job# 03166404.030	Site Applied Tech.
1-0710		

AOC 312348

, ., ·,

#### BULK SAMPLE COLLECTION

Sample Number	Sample Description	Location	Material Type	Material Condition	Friable
126	Total - 3" D wociz.	off cor. community de connais ton	TSI	M D	F
197	AUCTOR OF HUBC VOID	<del>ا</del> ا	MM	NO	NF
138	17.14 61 (DATING	Exterior, roof bast of secoss hatch as 5"0 Honz	mm	D	とす
129	Silvar Costing ul Ribrors backing	" 1" O Horse	MM	_0	NF
	Silver Coating	FATOCIOT FOOT WORLD WING, Northeast	MM	2	NF
131	Loose Debris - white	this cost work wing, northers	MM	50	F
132	White Patching on Puction	(1	MM	NO	NF
(33	Joint Toping, White - Printed	porth side	MM	NO	NIF
	Magtic Black	north side on 1" Office.	MM	NO	WF
		·	,		
			-		
				•	

Damage Categories: Not Damaged = ND

Damaged = DG

Significantly Damaged = SD

Significantly Damaged = SD Miscellaneous Material = MM
Potential Damage = PD
Potentially Significant = PSD

Sampled by: Date: Time: 12-18-03 Relinquished by: Received by: Date/Time: 13-19-03 08:15 12-19-83 Sealed Condition (circle one) YES / NO Relinquished by: Received by: Date/Time: Date/Time: Sealed Condition (circle one) YES /No

Material Type: Thermal System: Insulation = TSI

Surfacing Material = SM

Sampled by: Clay 6.22; Date: 1-26-03 Time:

Relinquished by: Date/Time: 1-27-03

Relinquished by: Date/Time: 1-27-03

Received by: Sealed Condition (circle one) YES / NO

Relinquished by: Date/Time: Date/Time: Sealed Condition (circle one) YES / No



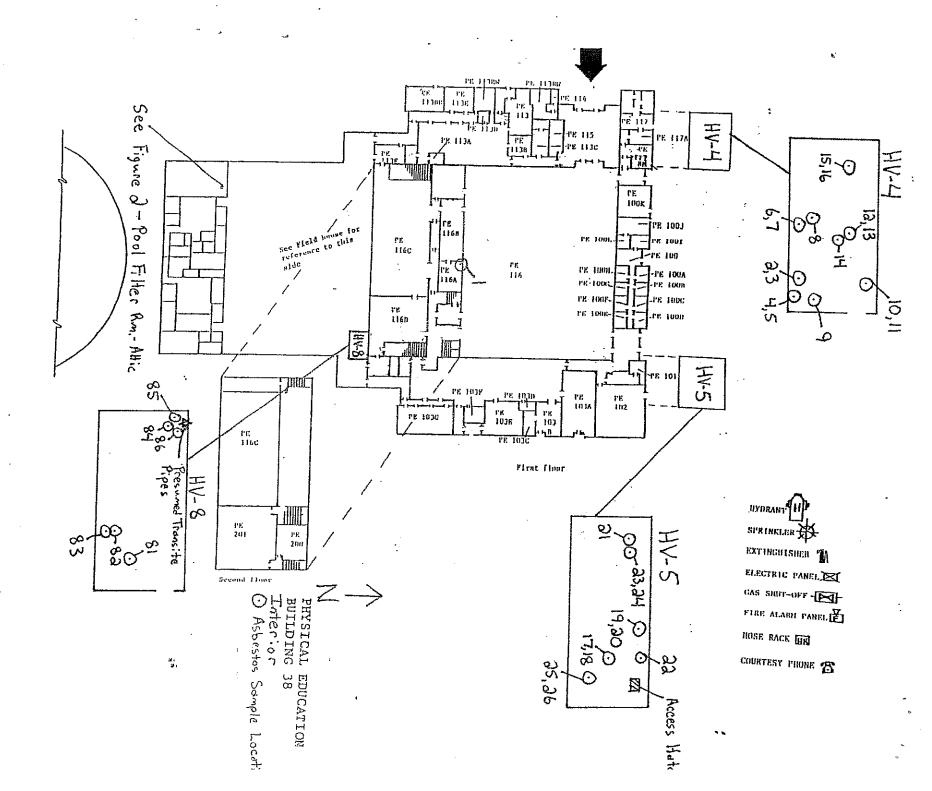
Fox Results to C	lay Guzi (707) 4	144-8330
WINZLER & KELLY	Phone: (707) 443-8326	Date: 1-7-03
633 Third Street  Eureka, California 95501	Circle the Method and Turnaround Time Hr/12-hr/24-hr/48-hr/Ext	Results Needed: 1-8-03
707.443.8326 fax 707.444.8330 S-hr.	FLM; Standard Point Count	Gravimetry Prop
www.w-and-k.com eka@w-and-k.com		
CONTACT: Clay Guz:	Job# 03166404.030	Site HV-5/64~

### BULK SAMPLE COLLECTION

DODIX BRANT DE COLLEGE						
Sarmple Number	Sample Description	Location		Material Type	Material Condition	Friable
WX 11664-0	Duct febric, white	HU-5 Mach, Rm,, north	` .	MM	NO	F
18-0	TSI - spunglassi an ducting	i,	`\	TSI	NO	_F
19-0		- t	11	MM	NO	<u> </u>
a 0-0	TST - spun glass on deck	÷''	11	MSI	NO	T
<u>a 1-0</u>	Dut connector, black	68	11	MM	NO	E
220	11	K	11	MM	NO	F
						N. C.
-		,				

Datriage Categories: Not Damaged = ND
Damaged = DG
Significantly Damaged = SD
Potential Damage = PD
Potentially Significant = PSD

Sampled by: ( ) a (2)	Date: 1-7-03	Time:
Relinquished by: Date/Time: 1-8-03	Received by: Fed-E- Date/Time:  - (	
Relinquished by: Date/Time:	Received by: Date/Time: Scaled Condition (circle of	1/9/04 10:45 on YES (No



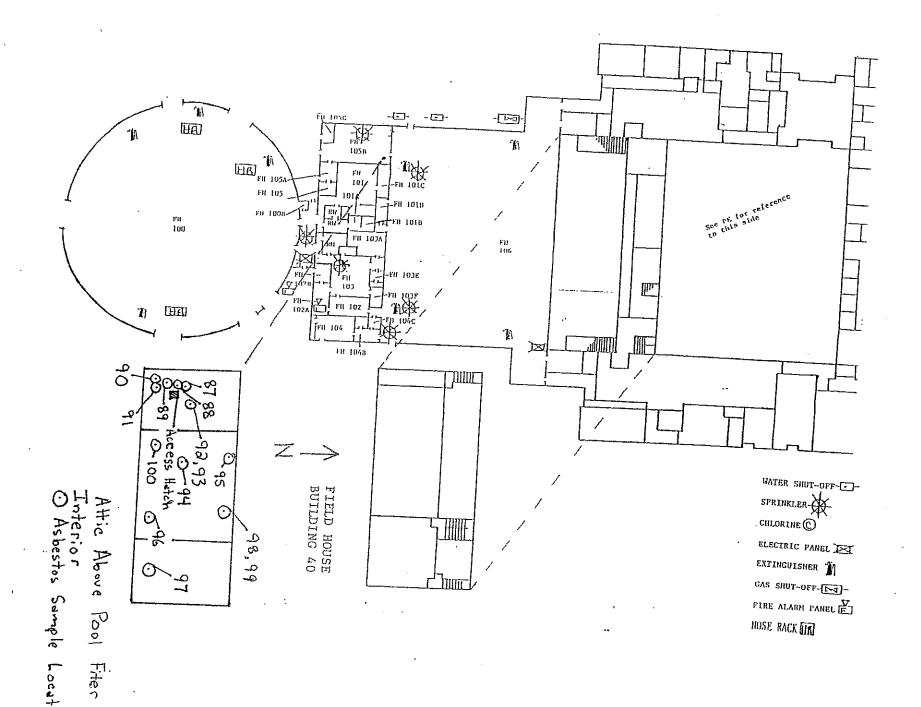
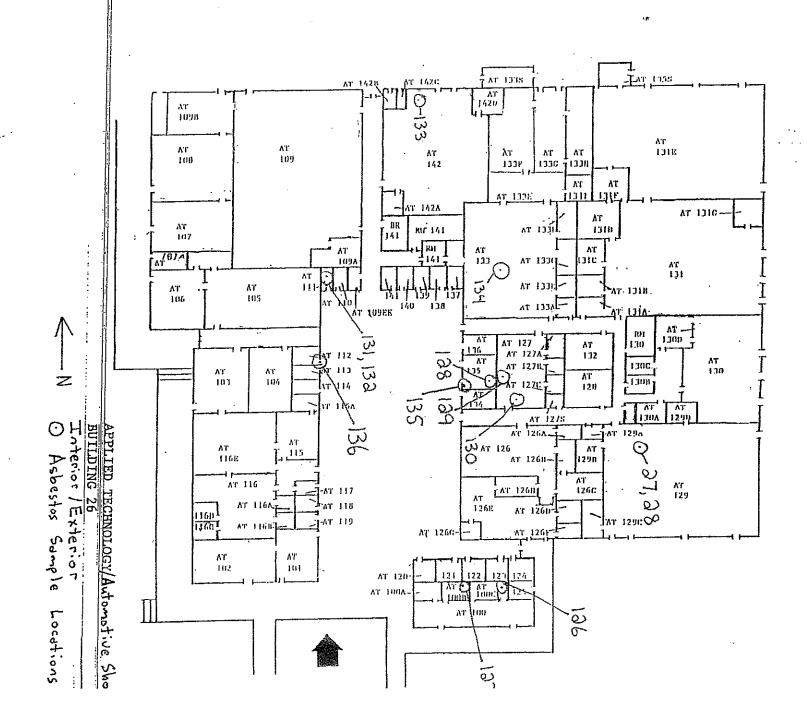
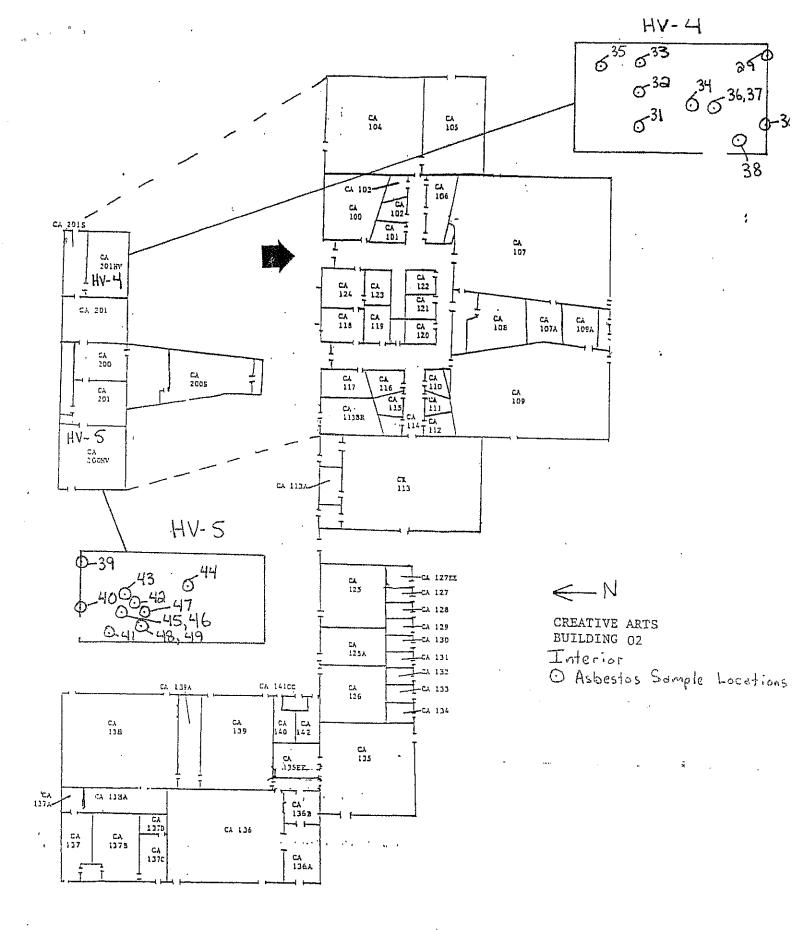


Figure 2





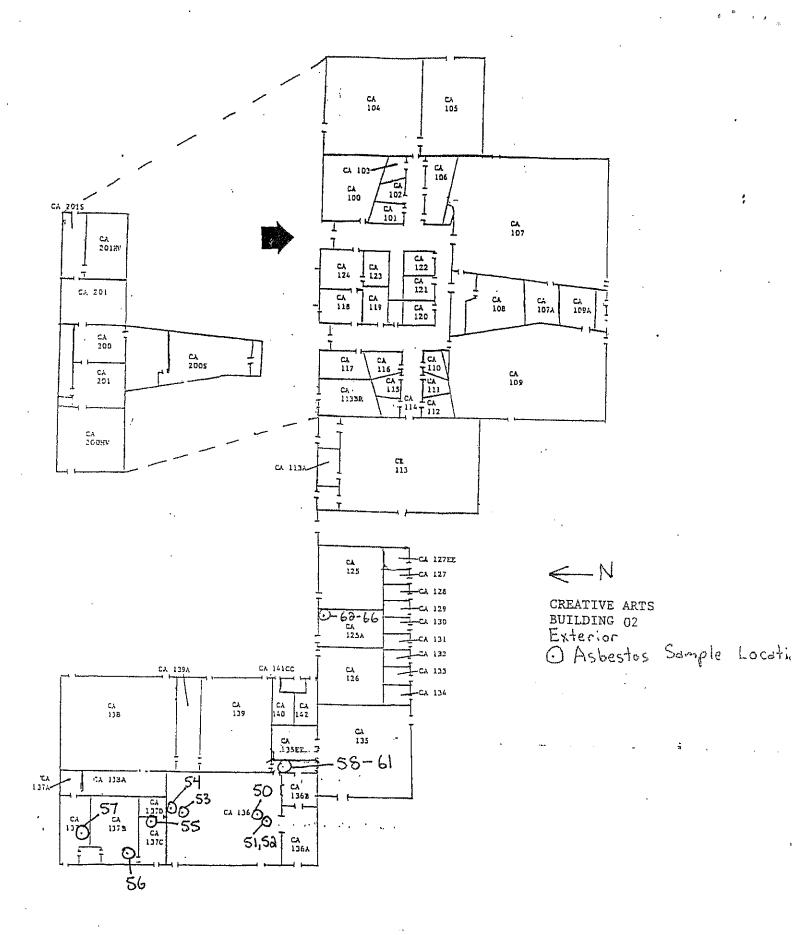
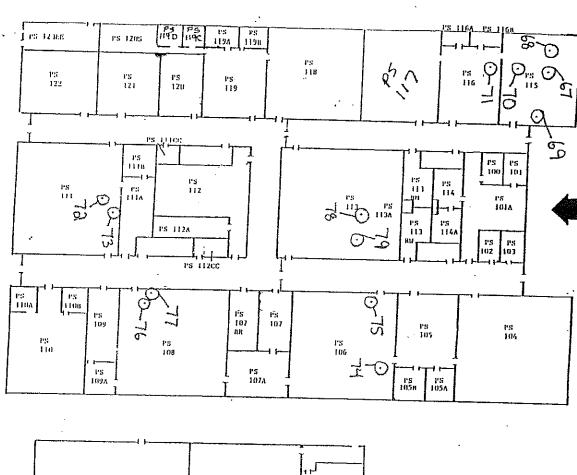


Figure 5

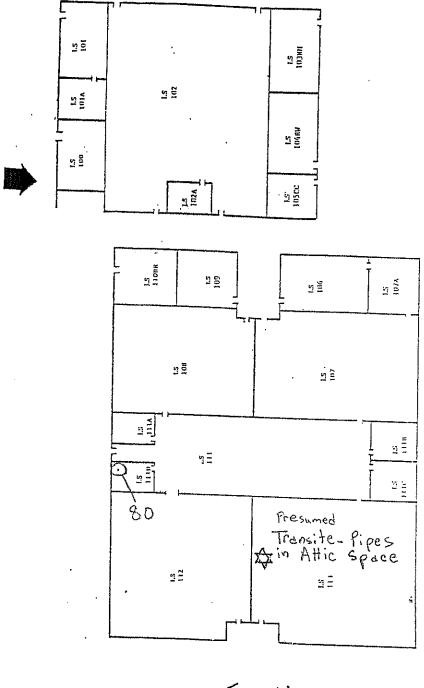


PHYSICAL SCIENCE
BUILDING 10
Exterior
O Asbestos Sampl

Sample Location

PS 200 PS HIJ PS 200 PS HIJA PS 200A

WATER SHIT-OFF CIHYDRART HP
ELECTRIC PAREL EXTENGUISHER A
GAS SHIT-OFF-TSAL



N LIFE SCIENCE
BUILDING 12
Exterior
O Asbestos Sample Locati

| 1.1 1026 | 1.1 10218 | 1.1 10218 105 105 3 🖺 1.1 100A 7 <u>2</u> 3 1.1 1030 -104 1.1 103B 1090 -103 --00 103A PATIO - <u>B</u> = = : <u>:</u> 0-101

 $\leftarrow$  N

LIBRARY
BUILDING 14
Exterior
O Asbestos Sample Loca

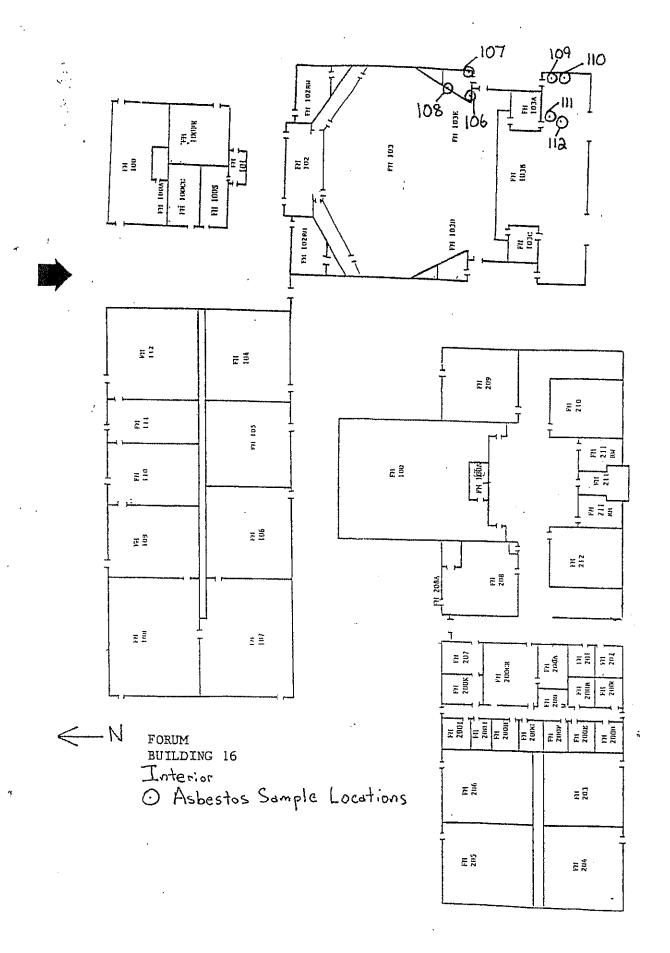
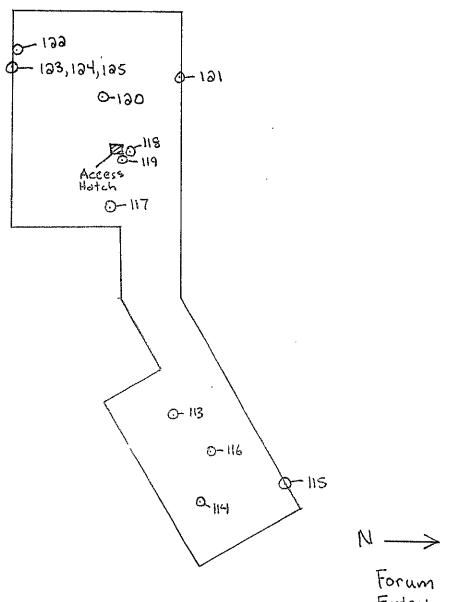


Figure 9

Ву	Date	Client_	Sheet No of
Subject			Job No.



Exterior
O Asbestos Sample Locations