

**Asbestos Survey Report
Oliver Rubber Company
1200 65th Street
Emeryville, California**

Prepared for:

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Prepared by:

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July 2, 1998

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1. EXECUTIVE SUMMARY

The following report describes the asbestos survey conducted at the Oliver Rubber Company located at 1200 65th Street in Emeryville, California. Kenneth Pilgrim, a Certified Asbestos Consultant, conducted the survey. RGA Environmental Inc. (RGA) was retained by the Oliver Rubber Company to conduct the survey. The survey scope of work includes the following:

- Collect bulk samples of suspect building materials. Conduct a comprehensive survey in the occupied buildings. Samples to be analyzed by polarized light microscopy (PLM) in accordance with the EPA Interim Method for the Determination of Asbestos in Bulk Insulation (1982).
- Submit a final written Survey Report to Client including a project summary, sampling notes, analytical results, and recommendations.

ACM Results

Asbestos-containing materials were detected throughout the building and on the roof of the subject property. One hundred and one (101) bulk samples were collected from thirty-one (31) homogenous materials identified in the structure. Seventy-two of the bulk samples were analyzed by a certified laboratory. Fourteen (14) of the thirty-one (31) homogenous materials were determined to contain asbestos. Refer to Table A in Section 4 for details.

2. BUILDING DESCRIPTION

The subject property is a decommissioned tire manufacturing facility. Offices are located at the southern end of the building opening to 65th Street. A second level or mezzanine level wraps around to the east wall of the facility. The remainder of the building is open with the exception of a few dividing walls. Building materials include gypsum walls and ceilings, ceiling tile, carpet, resilient floor coverings and a stucco exterior. The roof has been replaced in multiple sections. The majority of the roof is rolled composite asphalt.

3. VISUAL INSPECTION, SAMPLING PROCEDURES, AND LABORATORY PROCEDURES

3.1 Visual Inspection - Asbestos

Suspect asbestos-containing materials (ACMs) were visually examined by a Certified Asbestos Consultant (CAC). The CAC certification was issued by the State of California, Division of Occupational Safety and Health as authorized by

Sections 7180 et seq. of the Business and Professional Code (inspector certifications are in Appendix 4). The certified inspector follows the inspection methods presented in Federal Asbestos Hazard Emergency Response Act (AHERA). AHERA was originally only applicable to public and private non-profit schools from kindergarten to twelfth grade; however the Occupational Safety and Health Administration (OSHA) has adopted the AHERA sampling methodology for all buildings subject to demolition or renovation.

Homogeneous Material Classifications

The purpose of the visual inspection is to determine materials that are visually similar in color, texture, and general appearance and that appeared to have been installed at the same time. Such materials are termed "homogeneous materials". Following the AHERA inspection protocol, each identified suspect homogeneous material will be categorized as one of the following EPA classifications:

- **Surfacing Materials:** Spray or trowel-applied to building surfaces or structural components. Example: plaster.
- **Thermal System Insulation:** Materials generally applied to various mechanical systems. Example: pipe insulation.
- **Miscellaneous Materials:** Any materials which do not fit either of the above categories. Example: floor tile.

3.2 Sampling Procedures - Asbestos

Bulk samples were obtained with the aid of a coring device or other hand tool and placed into individual sampling containers. Sampling tools were wiped with a damp cloth following the collection of each sample in order to prevent cross-contamination. Each sample was assigned to a homogenous material, given a unique sample number, and recorded on field notes as well as on bulk chain-of-custody forms as shown in Appendix 2. The samples were transported under chain-of-custody procedures to a certified laboratory.

Suspect ACM including surfacing, thermal system insulation, and miscellaneous materials were inspected during the survey. Multiple samples were collected from each homogeneous material. *Note, under EPA assessment criteria, if a single sample of a homogeneous material tests positive for asbestos, that homogeneous material is considered to be asbestos-containing at all locations where it is present.*

3.3 Laboratory Procedures - Asbestos

All asbestos bulk samples were sent to RJ Lee Group (RJ Lee) located in San Leandro, California. RJ Lee is currently accredited under the National Institute of Standards and Technology (NIST) and National Voluntary Laboratories Accreditation Programs (NVLAP). Copies of certifications are included in Appendix 3.

All bulk samples were analyzed by Polarized Light Microscopy (PLM) with dispersion staining as described by the method of the determination of asbestos in bulk insulation, EPA/600/R-93/116, July 1993.

Analysis was performed by using the bulk sample for visual observation and slide preparations for microscopic examination and identification. The sample was mounted on a slide and then analyzed for asbestos (chrysotile, amosite, crocidolite, anthophyllite, and actinolite/tremolite), fibrous non-asbestos constituents (mineral wool, paper, etc.) and non-fibrous constituents. Asbestos was identified by refractive indices, morphology, color, pleochroism, birefringence, extinction characteristics, and signs of elongation. The characteristic color change enables mineral identification. The same characteristics are used to identify the non-asbestos constituents.

The microscopist uses a stereoscope to visually estimate relative amounts of each constituent, by determining the volume of each constituent in proportion to the total volume of the sample.

4. ASBESTOS RESULTS

RGA collected one hundred and one (101) bulk samples from the subject property. Fourteen (14) of the thirty-one (31) homogenous materials were determined to contain asbestos. Please refer to Appendix 1, Bulk Sample Result Summary for details. Laboratory sample reports are in Appendix 2. Table A below summarizes the results of the materials sampled.

Table A - Asbestos Bulk Sample Summary

HM No.	Homogenous Material	Material Location	Asbestos Result
001	1' x 2' Smooth ceiling tile and mastic	1 st floor offices	ND
002	4" Brown base cove and mastic	1 st and 2 nd floor offices	ND
003	1' x 1' Even-holed ceiling tile - No mastic	1 st and 2 nd floor offices	ND
004	Gypsum drywall and Joint Compound	Throughout	Composite: <1% CH, DW: ND, JC: 1%CH

HM No.	Homogenous Material	Material Location	Asbestos Result
005	Interior window glazing	1 st and 2 nd floor offices	ND
006	12" x 12" Beige floor tile w/ brown streaks and mastic - 2 nd layer under carpet	1 st floor offices	Tile: ND, Mastic: 6% CH
007	Green resilient flooring and mastic - 3 rd layer under HM006	1 st floor offices	Tile: ND, Mastic: 2% CH
008	4" Black base cove and mastic	1 st and 2 nd floor offices	ND
009	Mastic associated with 12" x 12" black rubberized floor tile	1 st floor offices and corridor	ND
010	Floor tile and mastic under beige 12" x 12" floor tile w/ white, brown and black streaks	2 nd floor offices	Tile: 3% CH, Mastic: <1% CH
011	12" x 12" Gray marble pattern floor tile and mastic	2 nd floor - Women's' restroom	ND
012	4" Gray base cove and mastic	2 nd floor - Women's' restroom	ND
013	9" x 9" Floor tile with light streaks and mastic	Greg's office	Tile: 2% CH, Mastic: <1% CH
014	12" x 12" brown floor tile with pink and dark brown streaks	Telephone room - Mezzanine	Tile: 1% CH, Mastic: ND
015	Black sheet vinyl and mastic	East mezzanine area	ND
016	Skip-trowel drywall texture	East mezzanine area	ND
017	Smooth-finish plaster	East mezzanine area - shower	ND
018	Mastic associated with 12" x 12" blue rubberized floor tile	Area east of research and development	ND
019	Black floor tile and mastic - 2 nd layer under HM018	Pat's office	Tile: 1% CH, Mastic: ND
020	12" x 12" Black tile and mastic	Old maintenance office	ND
021	3" O.D. Pipe insulation	Area north of old maintenance office	35% CH
022	Roofing cements	Penetrations and patches - entire roofing area	15% CH
023	Build-up roofing	Southeast roofing field	Felt: 15% CH
024	Build-up roofing	Northwest roofing field	Felt: 15% CH
025	Parapet wall felt	Northwest roof	20% CH
026	Rolled asphalt roofing	West roof	Felt: 10% CH
027	Build-up roofing	Southwest roofing field	ND
028	Skylight window glazing	West roof	ND
029	Exterior surfacing material	Exterior walls	ND
030	Exterior window glazing	Throughout	1% CH
031	Roofing felt	East roof under new metal roof	ND

ND = None Detected, CH = Chrysotile, DW = Drywall, JC = Joint Compound

5. ASBESTOS REGULATIONS

The purpose of this inspection was to identify asbestos-containing materials. Several regulating agencies govern asbestos related activities including the Environmental Protection Agency (U.S. EPA and Cal-EPA) and the Occupational Safety and Health Administration (Federal OSHA and Cal-OSHA). EPA regulations focus on application and removal of asbestos-containing materials in new or remodeled buildings, and identification of friable asbestos in schools. The EPA also regulates the industrial emission of asbestos fibers and the disposal of asbestos waste. OSHA addresses worker protection in the workplace. A brief summary of these agencies asbestos regulations is listed below.

5.1 Occupational Safety and Health Administration (OSHA)

Regulation of asbestos exposure in the Construction Industry is codified in 29 CFR 1926.1101 "Occupational Exposure to Asbestos". The Construction Industry Standard covers anyone involved in construction, alteration, repair, maintenance, or renovation of structures that contain asbestos. The regulations for the General Industry and Maritime are codified in 29 CFR 1910.1001 and 29 CFR 1915.1001 respectively. The General Industry Standard applies to asbestos exposures to non-construction employees while the Maritime Standard is specific only to asbestos exposures on vessels.

The OSHA regulations were first issued in 1972 and modified in 1986 and again in 1994. The regulations specified airborne exposure standards for workers, engineering and administrative controls, workplace practices, medical surveillance and worker protection requirements. The OSHA regulations apply to all workplace activities involving asbestos, including removal of ACM from buildings. OSHA defines an asbestos-containing material as any material containing more than one percent (1%) asbestos. This standard in no way requires the removal of asbestos-containing materials.

5.2 U.S. Environmental Protection Agency (EPA)

The first EPA regulations were issued in 1973 under the National Emission Standards for Hazardous Air Pollutants (NESHAPS - 40 CFR Part 61) as authorized by the Clean Air Act. These regulations were directed largely at the asbestos industries, but also partially banned spray-applied ACM in new buildings and established procedures for handling ACM during demolition. The regulations were revised in 1975, 1978, and 1990 to cover building renovations, use of all types of insulating ACM in new buildings, asbestos emissions from ACM waste disposal, and notification requirements. NESHAP divides asbestos-containing materials into three (3) categories: (1) Regulated ACM, (2) Category I non-friable ACM, and (3) Category II non-friable ACM. ACM is defined as any material containing greater than one percent (1%) asbestos. This standard requires removal of all RACMs prior to

demolition. Local air quality control districts have been give authority by the EPA to implement and enforce this rule. Local air quality management districts may have additional or more stringent requirements.

5.3 Division Occupational Safety and Health (DOSH)

DOSH or Cal-OSHA regulates employee exposure to asbestos under Title 8 CCR 1529. This standard includes all provisions under Federal-OSHA CFR1926.1101. Additional requirements are specified in Cal-OSHA's regulation. The following are two major additions:

- Certified personnel is required for handling of "asbestos containing construction materials" less than one percent (1%) but greater than one tenth of a percent (0.1%) when impacting one-hundred square feet (100 sq.ft.) or more.
- Exposure to asbestos is regulated at any detectable concentration.

5.4 California Environmental Protection Agency (Cal-EPA)

The Department of Toxic and Substances Control (DTSC) is a division under Cal-EPA. DTSC regulates disposal of asbestos waste. In California, friable asbestos waste is required to be handled and manifested as a hazardous waste. DTSC issues U.S. EPA hazardous waste generator identification numbers.

6. DISCUSSION & RECOMMENDATIONS

6.1 Asbestos-Containing Materials

Asbestos-containing materials (ACMs) were found throughout the building on the subject property. RGA recommends the following actions prior to the start of any renovation or demolition work:

- Conduct a demolition survey to inspect for hidden asbestos containing materials (example: pipe insulation inside walls or above ceilings).
- Develop an abatement specification. The purpose of an abatement specification is to clearly define the scope of work for more competitive and accurate bidding as well as to reduce the number of costly delays and change order requests during the project.
- Abate asbestos-containing materials that will be impacted by renovation work.
- Hire a certified asbestos abatement contractor to conduct all abatement work.

7. LIMITATIONS

RGA Environmental Inc. (RGA) warrants that the findings contained herein have been prepared in general accordance with accepted professional practices as applied by similar professionals in the community at the time of its preparation. Changes in the state of the art or in applicable regulations cannot be anticipated and have not been addressed in this report.

Note that destructive testing was not conducted in the occupied buildings. Consequently, unidentified ACMs may be present such as pipe insulation between walls and other hidden or non-accessible suspect materials. RGA does not warrant the presence of ACMs under the above condition.

The field and laboratory results reported herein are considered sufficient in detail and scope to determine the presence of hazardous materials identified in the scope of work. Test results are valid only for the material tested.

Also, note that this is a survey report and not an abatement specification. This document is not appropriate for competitive bidding or for use as an asbestos abatement specification.

Appendix 1
Bulk Sample Result Summary

Table I

Bulk Sample Results Summary All Materials Sampled

OliverRubbe

Job ORC4010

30-Jun-98

HMN	Material Description	Friability	Condition	Asbestos Type / Percent
001	1' x 2' Smooth Ceiling Tile and Mastic			
67653	1st floor - Office - space 7719			ND
67654	1st floor - Office - space 7719			ND
67803	1st floor - Office - space 7719			ND
002	4" Brown base cove and mastic	NA		
67628	2nd floor - lounge			ND
67839	1st floor - Office - Jan's office			ND
67846	1st floor - office - space 7719			ND
003	1' x 1' Even-holed ceiling tile - no mastic	NA		
67644	2nd floor - Corridor			ND
67808	2nd floor - Conference room			ND
67840	1st floor - Jan's office			ND
004	Gypsum drywall with Joint Compound	Friable	Good Condition	
67630	Production Area - Mezzanine - Locker room			Not analyzed
67638	2nd floor - Mens' restroom			Drywall: ND; Compound: 1% Chrysotile
67805	2nd floor - conference room			Not analyzed
67836	2nd floor - storage room closet			Not analyzed
67837	Interior lobby			Not analyzed
72274	Production Area - Mezzanine - Break room			Not analyzed
72287	R&D area - east wall			Not analyzed

All analyses completed by Polarized Light Microscopy (PLM) following EPA Interim method (EPA-600/M4-82-020, Dec 1982). PLM may detect asbestos in "Trace" concentrations (<1%). Thus negative (ND) result cannot be guaranteed. The absence of asbestos in vinyl floor tiles, wipes or other similar samples cannot be conclusively established by this method, and should be confirmed by an independent analytical method such as Transmission Electron Microscopy (TEM). Detection Limit: <1% ("Trace"). Quantification range 1-100%. ND = None Detected. NA = Not Applicable.

HMN = Homogenous material number, CH=Chrysotile, Am=Amosite, TR=Tremolite, CR=Crocidolite, AN=Anthophyllite, AC=Actinolite

Page 1

RGA Environmental Inc.
510 547-7771

HMN	Material Description	Friability	Condition	Asbestos Type / Percent
005	Interior Window Galzing	NA		
67649	Mezzanine - beak room hallway - east window bank			ND
67867	1st floor - Jan's office			ND
67881	R&D area - west wall			ND
006	12x12" beige floor tile w/brown streaks and mastic 2nd lyr under carpt	Non-Friable	Good Condition	
67633	1st floor - Maintenance Manager's office			Not analyzed
67645	1st floor - office - space 7719			Not analyzed
67835	1st floor - Jan's office			Tile: ND; Mastic: 6% Chrysotile
007	Green resilient flooring and mastic under 006 3rd layer	Non-Friable	Good Condition	
67626	1st floor Jan's office			Not analyzed
67779	1st floor Dave's office			Mastic: 2% Chrysotile; Other layer: ND
72288	1st floor maintenance manager's office			ND
008	4" black basecove and mastic	NA		
67657	1st floor interior lobby			ND
67843	Maintenance manager's office			ND
67877	1st floor Mary's office			ND
009	Mastic associated w/ 12" x 12" black rubberized floor tile	NA		
67642	1st floor Mary's office			ND
67767	1st floor corridor			ND
67834	1st floor maintenance manager's office			ND
010	Vinyl floor tile and mastic under 12x12" beige w/wht, brwn,blk streaks	Non-Friable	Good Condition	

All analyses completed by Polarized Light Microscopy (PLM) following EPA Interim method (EPA-600/M4-82-020, Dec 1982). PLM may detect asbestos in "Trace" concentrations (<1%). Thus negative (ND) result cannot be guaranteed. The absence of asbestos in vinyl floor tiles, wipes or other similar samples cannot be conclusively established by this method, and should be confirmed by an independent analytical method such as Transmission Electron Microscopy (TEM). Detection Limit: <1% ("Trace"). Quantification range 1-100%. ND = None Detected. NA = Not Applicable.

HMN	Material Description	Friability	Condition	Asbestos Type / Percent
67635	2nd floor open area near center			Not analyzed
67636	2nd floor office across from stairwell			Not analyzed
67646	2nd floor office northeast corner			Tile: 3% Chryso; Mastic: <1% Chryso; Other lyr: ND
011	12" x 12" gray marble pattern floor tile and mastic	NA		
67632	2nd floor women's restroom			ND
67641	2nd floor women's restroom			ND
67651	2nd floor women's restroom			ND
012	4" gray basecove and mastic	NA		
67634	2nd floor women's restroom			ND
67648	2nd floor women's restroom			ND
67659	2nd floor women's restroom			ND
013	9" x 9" floor tile w/ light streaks and mastic	Non-Friable	Good Condition	
67655	Mezzanine Greg's office next to telephone room			Tile: 2% Chr; Mastic: <1% Chr; Other layer: ND
67790	Mezzanine Greg's office next to telephone room			Not analyzed
67866	Mezzanine Greg's office next to telephone room			Not analyzed
014	12" x 12" brown floor tile w/pink and dark brwn streaks	Non-Friable	Good Condition	
67627	Telephone room / mezzanine			1% Chrysotile
67845	Telephone room / mezzanine			Not analyzed
67847	Telephone room / mezzanine			Tile: 1% CH, Mastic: ND
015	Black sheet vinyl and mastic	NA		
67637	Production area mezzanine restroom			ND
67639	Production area mezzanine break room			ND
67640	Production area corridor to locker room			ND

All analyses completed by Polarized Light Microscopy (PLM) following EPA Interim method (EPA-600/M4-82-020, Dec 1982). PLM may detect asbestos in "Trace" concentrations (<1%). Thus negative (ND) result cannot be guaranteed. The absence of asbestos in vinyl floor tiles, wipes or other similar samples cannot be conclusively established by this method, and should be confirmed by an independent analytical method such as Transmission Electron Microscopy (TEM). Detection Limit: <1% ("Trace"). Quantification range 1-100%. ND = None Detected. NA = Not Applicable.

HMN	Material Description	Friability	Condition	Asbestos Type / Percent
016	Skip trowel drywall texture - limited application	NA		
67643	Production area mezzanine locker room			ND
67656	Production area mezzanine break room			ND
72282	Production area mezzanine corridor to locker room			ND
017	Smooth finish plaster	NA		
67770	Production area mezzanine /shower			ND
67785	Production area mezzanine /shower			ND
72286	Production area mezzanine /shower			ND
018	Mastic associated w/12 " x 12" blue rubberized floor tile	NA		
72223	East of R&D lab			ND
72256	East of R&D lab			ND
72285	East of R&D lab			ND
019	Black floor tile and mastic 2nd layer under 018	Non-Friable	Good Condition	
67629	Lab area, Pat's office			Tile: 1% CH, Mastic: ND
67787	Lab area, Pat's office			1% Chrysotile
72251	Lab area, Pat's office			Not analyzed
020	12" x 12" black floor tile and mastic	NA		
67764	Old maintenance office			ND
67782	Old maintenance office			ND
72237	Old maintenance office			ND
021	3" OD pipe insulation	Friable	Significantly Damaged Condition	
67647	East area north of old maintenance shop			35% Chrysotile
67660	East area north of old maintenance shop			Not analyzed

All analyses completed by Polarized Light Microscopy (PLM) following EPA Interim method (EPA-600/M4-82-020, Dec 1982). PLM may detect asbestos in "Trace" concentrations (<1%). Thus negative (ND) result cannot be guaranteed. The absence of asbestos in vinyl floor tiles, wipes or other similar samples cannot be conclusively established by this method, and should be confirmed by an independent analytical method such as Transmission Electron Microscopy (TEM). Detection Limit: <1% ("Trace"). Quantification range 1-100%. ND = None Detected. NA = Not Applicable.

HMN	Material Description	Friability	Condition	Asbestos Type / Percent
67771	East area north of old maintenance shop			Not analyzed
022	Roofing cements	Non-Friable	Good Condition	
67631	Northwest roof at penetration			Not analyzed
67718	Northwest roof at parapet			Not analyzed
67886	East roof at flashing			15% Chrysotile
023	Southeast roofing fields	Non-Friable	Good Condition	
67786	East roof lower level			ND
67793	West roof lower level			Felt: 15% Chrysotile; Other layer: ND
67815	Middle roof upper level			ND
024	Northwest roofing field	Non-Friable	Good Condition	
67768	Near center			Felt: 15% Chrysotile; Other layer: ND
67795	West end			Not analyzed
67888	East end			Not analyzed
025	Northwest roof parapet felt	Non-Friable	Good Condition	
67625	North parapet			20% Chrysotile
67783	South parapet			Not analyzed
67849	West parapet			Not analyzed
026	West roofing field	Non-Friable	Good Condition	
67658	North end			Felt: 10% Chrysotile; Other layer: ND
67870	Near center			Not analyzed
67887	West section lower level			Not analyzed
027	Southwest corner roofing field	NA		

All analyses completed by Polarized Light Microscopy (PLM) following EPA Interim method (EPA-600/M4-82-020, Dec 1982). PLM may detect asbestos in "Trace" concentrations (<1%). Thus negative (ND) result cannot be guaranteed. The absence of asbestos in vinyl floor tiles, wipes or other similar samples cannot be conclusively established by this method, and should be confirmed by an independent analytical method such as Transmission Electron Microscopy (TEM). Detection Limit: <1% ("Trace"). Quantification range 1-100%. ND = None Detected. NA = Not Applicable.

HMN	Material Description	Friability	Condition	Asbestos Type / Percent
67774	South end			ND
67777	Detached shed			ND
67879	North end			ND
028	Skylight window glazing	NA		
67652	West roof near center			ND
67791	West roof north end			ND
67884	West roof southeast corner			ND
029	Exterior surfacing material	NA		
67708	Southeast corner			ND
67709	Southeast corner near center roof level			ND
67719	Southeast room north wall (janitor storage)			ND
67773	South face near center roof level			ND
67807	Southwest corner roof level			ND
67819	South face near center roof level			ND
67838	Southeast room north wall (janitor storage)			ND
030	Exterior window glazing	Non-Friable	Damaged Condition	
67650	Roof level south end			Not analyzed
67780	Roof level southeast			Not analyzed
67848	Roof level southwest corner			1% Chrysotile
031	Roofing felt east roof under new metal roof	NA		
67706	South end			ND
67723	Near center			ND
67766	North end			ND

All analyses completed by Polarized Light Microscopy (PLM) following EPA Interim method (EPA-600/M4-82-020, Dec 1982). PLM may detect asbestos in "Trace" concentrations (<1%). Thus negative (ND) result cannot be guaranteed. The absence of asbestos in vinyl floor tiles, wipes or other similar samples cannot be conclusively established by this method, and should be confirmed by an independent analytical method such as Transmission Electron Microscopy (TEM). Detection Limit: <1% ("Trace"). Quantification range 1-100%. ND= None Detected. NA = Not Applicable.

Appendix 2
Laboratory Sample Reports and Chain-of-Custody Forms

Bulk Chain of Custody Form

RGA Environmental Inc.

Project #: ORC4010

4701 Doyle Street, Ste; 14, Emeryville, CA 94608, 510 547-7771

Building #: OliverRubbe

Turn Around Time: 8 hr Standard

15-Jun-98

First positive for each homogenous area. Yes No

ACC 806186

Homogenous Areas Sample Number

Check

001 Material Description 1' x 2' Smooth Ceiling Tile and Mastic

- / 67803 1st floor - Office - space 7719
- / 67654 1st floor - Office - space 7719
- / 67653 1st floor - Office - space 7719



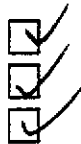
002 Material Description 4" Brown base cove and mastic

- / 67846 1st floor - office - space 7719
- / 67839 1st floor - Office - Jan's office
- / 67628 2nd floor - lounge



003 Material Description 1' x 1' Even-holed ceiling tile - no mastic

- / 67840 1st floor - Jan's office
- / 67808 2nd floor - Conference room
- / 67644 2nd floor - Corridor



004 Material Description Gypsum drywall with Joint Compound

- 67638 2nd floor - Mens' restroom
- 72287 R&D area - east wall
- ~~67630~~ Production Area - Mezzanine - Locker room
- 67805 2nd floor - conference room
- 67836 2nd floor - storage room closet
- ~~67837~~ Interior lobby
- 72274 Production Area - Mezzanine - Break room



005 Material Description Interior Window Galzing

- / 67867 1st floor - Jan's office
- / 67649 Mezzanine - beak room hallway - east window
- ~~67881~~ R&D area - west wall



006 Material Description

102

Report any missing pages immediately. Include the material description with the sampling results. All analyses to be completed by Polarized Light Microscopy (PLM) following EPA Interim method (EPA-600/M4-82-020, Dec 1982).

Homogenous Areas Sample Number

Check

007 /67835 1st floor - Jan's office
 /67633 1st floor - Maintenance Manager's office
 /67645 1st floor - office - space 7719
 Material Description Green resilient flooring and mastic under
 006 3rd layer

008 /67779 1st floor Dave's office
 /67626 1st floor Jan's office
 /72288 1st floor maintenance manager's office
 Material Description 4" black basecove and mastic

009 /67877 1st floor Mary's office
 /67657 1st floor interior lobby
 /67843 Maintenance manager's office
 Material Description Mastic associated w/ 12x12" black
 rubberized floor tile

010 /67834 1st floor maintenance manager's office
 /67842 1st floor Mary's office
 /67767 1st floor corridor
 Material Description Vinyl floor tile and mastic under 12x12"
 beige w/wht, brwn,blk streaks

011 /67646 2nd floor office northeast corner
 /67635 2nd floor open area near center
 /67636 2nd floor office across from stairwell
 Material Description 12x12" gray marble pattern floor tile and
 mastic

012 /67632 2nd floor women's restroom
 /67641 2nd floor women's restroom
 /67651 2nd floor women's restroom
 Material Description 4" gray basecove and mastic

013 /67634 2nd floor women's restroom
 /67648 2nd floor women's restroom
 /67659 2nd floor women's restroom
 Material Description 9x9" floor tile w/ light streaks and mastic

/676^S5. Mezzanine Greg's office next to telephone roo

Report any missing pages immediately. Include the material description with the sampling results. All analyses to be completed by Polarized Light Microscopy (PLM) following EPA Interim method (EPA-600/M4-82-020, Dec 1982).

Homogenous Areas Sample Number

Check

	Sample Number	Description	Check
014	/ 67866	Mezzanine Greg's office next to telephone roo	<input checked="" type="checkbox"/>
	/ 67790	Mezzanine Greg's office next to telephone roo	<input checked="" type="checkbox"/>
	Material Description	12x12" brown floor tile w/pink and dark brwn streaks	
015	/ 67627	Telephone room / mezzanine	<input checked="" type="checkbox"/>
	/ 67847	Telephone room / mezzanine	<input checked="" type="checkbox"/>
	/ 67845	Telephone room / mezzanine	<input checked="" type="checkbox"/>
	Material Description	Black sheet vinyl and mastic	
016	/ 67637	Production area mezzanine restroom	<input checked="" type="checkbox"/>
	/ 67640	Production area corridor to locker room	<input checked="" type="checkbox"/>
	/ 67639	Production area mezzanine break room	<input checked="" type="checkbox"/>
	Material Description	Skip trowel drywall texture - limited application	
017	/ 72282	Production area mezzanine corridor to locker r	<input checked="" type="checkbox"/>
	/ 67643	Production area mezzanine locker room	<input checked="" type="checkbox"/>
	/ 67656	Production area mezzanine break room	<input checked="" type="checkbox"/>
	Material Description	Smooth finish plaster	
018	/ 67770	Production area mezzanine /shower	<input checked="" type="checkbox"/>
	/ 67785	Production area mezzanine /shower	<input checked="" type="checkbox"/>
	/ 72286	Production area mezzanine /shower	<input checked="" type="checkbox"/>
	Material Description	Mastic associated w/12x12" blue rubberized floor tile	
019	/ 72285	East of R&D lab	<input checked="" type="checkbox"/>
	/ 72256	East of R&D lab	<input checked="" type="checkbox"/>
	/ 72223	East of R&D lab	<input checked="" type="checkbox"/>
	Material Description	Black floor tile and mastic 2nd layer under 018	
020	/ 67787	Lab area, Pat's office	<input checked="" type="checkbox"/>
	/ 67629	Lab area, Pat's office	<input checked="" type="checkbox"/>
	/ 72251	Lab area, Pat's office	<input checked="" type="checkbox"/>
	Material Description	12x12" black floor tile and mastic	
	/ 67764	Old maintenance office	<input checked="" type="checkbox"/>
	/ 72237	Old maintenance office	<input checked="" type="checkbox"/>

Report any missing pages immediately. Include the material description with the sampling results. All analyses to be completed by Polarized Light Microscopy (PLM) following EPA Interim method (EPA-600/M4-82-020, Dec 1982).

	Material Description	Sample Number	Check
021	Old maintenance office 3" OD pipe insulation	/67782	<input checked="" type="checkbox"/>
022	Roofing cements	/67647 East area north of old maintenance shop	<input checked="" type="checkbox"/>
		/67771 East area north of old maintenance shop	<input checked="" type="checkbox"/>
		/67660 East area north of old maintenance shop	<input checked="" type="checkbox"/>
023	Southeast roofing fields	/67886 East roof at flashing	<input checked="" type="checkbox"/>
		/67631 Northwest roof at penetration	<input checked="" type="checkbox"/>
		/67718 Northwest roof at parapet	<input checked="" type="checkbox"/>
024	Northwest roofing field	/67815 Middle roof upper level	<input checked="" type="checkbox"/>
		/67786 East roof lower level	<input checked="" type="checkbox"/>
		/67793 West roof lower level	<input checked="" type="checkbox"/>
025	Northwest roof parapet felt	/67768 Near center	<input checked="" type="checkbox"/>
		67888 East end	<input checked="" type="checkbox"/>
		/67795 West end	<input checked="" type="checkbox"/>
026	West roofing field	/67625 North parapet	<input checked="" type="checkbox"/>
		/67849 West parapet	<input checked="" type="checkbox"/>
		/67783 South parapet	<input checked="" type="checkbox"/>
027	Southwest corner roofing field	/67658 North end	<input checked="" type="checkbox"/>
		/67887 West section lower level	<input checked="" type="checkbox"/>
		/67870 Near center	<input checked="" type="checkbox"/>
		/67879 North end	<input checked="" type="checkbox"/>
		/67774 South end	<input checked="" type="checkbox"/>
		/67777 Detached shed	<input checked="" type="checkbox"/>

Report any missing pages immediately. Include the material description with the sampling results. All analyses to be completed by Polarized Light Microscopy (PLM) following EPA Interim method (EPA-600/M4-82-020, Dec 1982).

028 Material Description Skylight window glazing

- /67791 West roof north end
- /67884 West roof southeast corner
- /67652 West roof near center

029 Material Description Exterior surfacing material 65th Street

- /67838 Southeast room north wall (janitor storage)
- /67719 Southeast room north wall (janitor storage)
- /67708 Southeast corner
- J/67709 Southeast corner near center roof level
- 67819 South face near center roof level
- 67807 Southwest corner roof level
- 67773 South face near center roof level

030 Material Description Exterior window glazing

- 67848 Roof level southwest corner
- 67650 Roof level south end
- 67780 Roof level southeast

031 Material Description Roofing felt east roof under new metal roof

- 67706 South end
- 67766 North end
- 67723 Near center

Contact Person for these samples is: Ken Pilgrim

Samples Relinquished by: J. Laster Date: 6-15-98

Samples Received by: K. Hume Date: 6/15/98 @ 1700

Notes: _____

Report any missing pages immediately. Include the material description with the sampling results. All analyses to be completed by Polarized Light Microscopy (PLM) following EPA Interim method (EPA-600/M4-82-020, Dec 1982).

(16)

RJ Lee Group, Inc.

530 McCormick Street • San Leandro, CA 94577
(510) 567-0480 • FAX (510) 567-0488

June 16, 1998

Mr. Ken Pilgrim
RGA Environmental, Inc.
4701 Doyle Street, Suite 14
Emeryville, CA 94608

RE: PLM Standard Asbestos Analysis Results for Samples as Shown on Test Report
RJLeeGroup, Inc. Job No.: AOC806186
Client P.O./Job Number: ORC4010
Client Job Name/Location: OliverRubbe

Dear Mr. Pilgrim:

Enclosed are the results from the polarized light microscopy (PLM) asbestos analysis of the above referenced sample(s). Sample(s) were analyzed in accordance with guidelines set forth in the EPA Method for the Determination of Asbestos in Bulk Building Materials, U.S. EPA/600/R-93/116 (7/93 Edition).

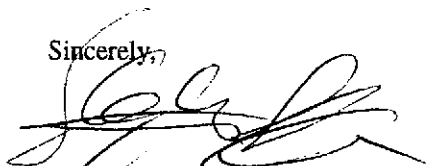
Test Report lists each sample identification number, gross sample description, sample location, type(s) and concentration of asbestos, type(s) and concentration of nonasbestos fibers, major components and concentration of nonfibrous material (NFM), sample run date, analyst, sample homogeneity, and a layer breakdown if applicable. All concentrations are given in area percents (visual estimation).

RJ Lee Group, Inc. is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) (NVLAP Participant Number 1208-2) for bulk asbestos fiber analysis (PLM), and by the California Department of Health Services, Environmental Laboratory Accreditation Program (CALELAP) for bulk asbestos analysis. Neither the NVLAP Accreditation of this laboratory nor this report may be used to claim product endorsement by NVLAP or any agency of the United States government.

These results are submitted pursuant to RJ Lee Group's current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions and no responsibility or liability is assumed for the manner in which the results are used or interpreted. Unless notified in writing to return the sample(s) covered by this report, RJ Lee Group will store the sample(s) for a period of ninety (90) days before discarding. A shipping and handling fee will be assessed for the return of any sample(s).

If you have any questions on this report or if RJ Lee Group, Inc. can be of further assistance, please do not hesitate to call.

Sincerely,



Stephen S. Yata
Geologist

SSY/sb
Enclosure

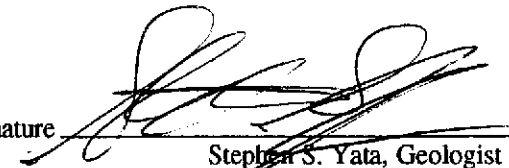
Monroeville, PA • San Leandro, CA • Washington, D.C. • Houston, TX
Chopra-Lee, Inc., Grand Island, NY

Test Report - RGA Environmental Inc.

Attn: Mr. Ken Pilgrim Project #: ORC4010; OliverRubbe
Project AOC806186

Sample Number / Sample Appearance	Client Sample Number	-----Asbestos-----							-----Nonasbestos-----				Run Date Analyst	
		Chrysotile	Amosite	Crocidolite	Anthophyllite	Tremolite	Actinolite	Cellulose Wool	Mineral Glass	Fibrous Fibers	Synthetic Fibers	Other Material		NonFibrous
1672771CPL White ceiling tile	67840	-	-	-	-	-	-	98 %	-	-	-	-	2 %	6/16/98 SSY
													Homogeneous	
1672772CPL Grey ceiling tile	67808	-	-	-	-	-	-	98 %	-	-	-	-	2 %	6/16/98 SSY
													Homogeneous	
1672773CPL Brown ceiling tile	67644	-	-	-	-	-	-	98 %	-	-	-	-	2 %	6/16/98 SSY
													Homogeneous	
1672774CPL White drywall with off white compound Layer Content: Drywall: None Detected; Compound: 1% Chrysotile	67638	<1 %	-	-	-	-	-	2 %	-	-	-	-	98 %	6/16/98 SSY
													Non Homogeneous	
1672775CPL	72287													
Sample Location	Sample Not Analyzed													
1672776CPL	67630													
Sample Location	Sample Not Analyzed													

Samples received on: Tuesday, June 16, 1998

Authorized Signature 
Date Stephen S. Yata, Geologist
Tuesday, June 16, 1998

RJ Lee Group, Inc.
Bay Area Lab

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San Leandro, CA 94577

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

Test Report - RGA Environmental Inc.

Attn: Mr. Ken Pilgrim Project #: ORC4010; OliverRubbe
Project AOC806186

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

Sample Number / Sample Appearance	Client Sample Number	Chrysotile	Amosite	Crocidolite	Anthophyllite	Tremolite	Actinolite	Cellulose	Wool	Glass	Fibers	Fibers	Material	NonFibrous	Run Date
1672777CPL	67805														

Sample Location Sample Not Analyzed

1672778CPL 67836

Sample Location Sample Not Analyzed

1672779CPL 67837

Sample Location Sample Not Analyzed

1672780CPL 72274

Sample Location Sample Not Analyzed

1672781CPL 67867

Grey window glazing

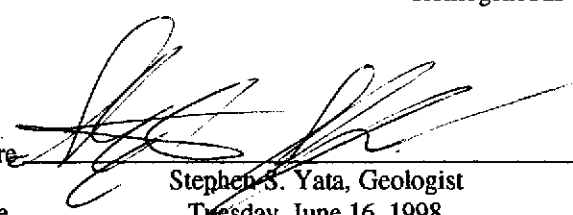
- - - - - <1 % - - - - - 99+ % 6/16/98
NFM: Qtz, Carb, Binder, Opaq, Misc. Part. SSY
Homogeneous

1672782CPL 67649

Grey window glazing

- - - - - <1 % - - - - - 99+ % 6/16/98
NFM: Qtz, Carb, Binder, Opaq, Misc. Part. SSY
Homogeneous

Samples received on: Tuesday, June 16, 1998

Authorized Signature 
Date Stephen S. Yata, Geologist
Tuesday, June 16, 1998

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Test Report - RGA Environmental Inc.

Attn: Mr. Ken Pilgrim Project #: ORC4010; OliverRubbe
Project AOC806186

Sample Number / Sample Appearance	Client Sample Number	-----Asbestos-----										-----Nonasbestos-----				Run Date
		Chrysotile	Amosite	Crocidolite	Anthophyllite	Tremolite	Actinolite	Cellulose	Wool	Glass	Fibers	Fibers	Material	Analyst		
1672789CPL	72288															

Sample Location	Sample Not Analyzed											100 %	Run Date		
1672790CPL	67877	-	-	-	-	-	-	-	-	-	-	-	-	-	6/16/98
Black cove base with brown mastic															SSY Non Homogeneous
1672791CPL	67657	-	-	-	-	-	-	-	-	-	-	-	-	-	6/16/98
Black cove base with brown mastic															SSY Non Homogeneous
1672792CPL	67843	-	-	-	-	-	-	-	-	-	-	-	-	-	6/16/98
Black cove base with brown mastic															SSY Non Homogeneous
1672793CPL	67834	-	-	-	-	-	-	-	-	-	-	-	-	-	6/16/98
Black floor tile with grey mastic															SSY Non Homogeneous
1672794CPL	67642	-	-	-	-	-	-	-	-	-	-	-	-	-	6/16/98
Black cove base with brown mastic															SSY Non Homogeneous

Samples received on: Tuesday, June 16, 1998

Authorized Signature _____

 Stephen S. Yata, Geologist
 Date: Tuesday, June 16, 1998

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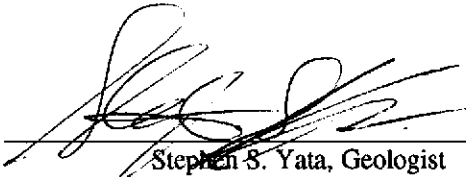
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Attn: Mr. Ken Pilgrim Project #: ORC4010; Oliver Rubbe
Project AOC806186

Sample Number / Sample Appearance	Client Sample Number	-----Asbestos-----							-----Nonasbestos-----				Run Date
		Chrysotile	Amosite	Crocidolite	Anthophyllite	Tremolite	Actinolite	Cellulose	Mineral Wool	Fibrous Glass	Synthetic Fibers	Other Fibers	
1672783CPL Grey window glazing	67881	-	-	-	-	-	<1 %	-	-	-	-	99+ %	6/16/98 SSY
												NFM: Qtz, Carb, Binder, Opaq, Misc. Part.	Homogeneous
1672784CPL Brown floor tile with black mastic Layer Content:	67835	<1 %	-	-	-	-	<1 %	-	-	-	-	99+ %	6/16/98 SSY
												NFM: Qtz, Tar, Carb, Binder, Opaq, Misc. Part.	Non Homogeneous
												Tile: None Detected; Mastic: 6% Chrysotile	
1672785CPL	67633												
Sample Location		Sample Not Analyzed											
1672786CPL	67645												
Sample Location		Sample Not Analyzed											
1672787CPL Green flooring with black mastic Layer Content:	67779	<1 %	-	-	-	-	20 %	-	-	<1 %	-	80 %	6/16/98 SSY
												NFM: Qtz, Tar, Carb, Binder, Opaq, Misc. Part.	Non Homogeneous
												Mastic: 2% Chrysotile; Other Layer: None Detected	
1672788CPL	67626												
Sample Location		Sample Not Analyzed											

Samples received on: Tuesday, June 16, 1998

Authorized Signature 
Date Stephen S. Yata, Geologist
Tuesday, June 16, 1998

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Bay Area Lab

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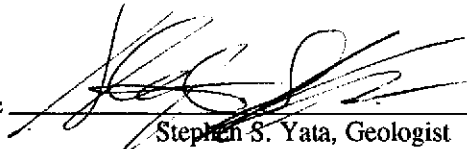
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Stephen S. Yata, Geologist
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Test Report - RGA Environmental Inc.

Attn: Mr. Ken Pilgrim Project #: ORC4010; OliverRubbe
Project AOC806186


	-----Asbestos-----	-----Nonasbestos-----
Sample Number /	Mineral	Fibrous Synthetic Other NonFibrous Run Date
Sample Appearance Client Sample Number	Wool Glass Fibers Fibers Material Analyst	
1672789CPL 72288		

Sample Location	Sample Not Analyzed	Chrysotile	Amosite	Crocidolite	Anthophyllite	Tremolite	Actinolite	Cellulose	Wool	Glass	Fibers	Fibers	Material	Analyst
1672790CPL 67877	-	-	-	-	-	-	-	-	-	-	-	-	100 %	6/16/98
Black cove base with brown mastic													NFM: Qtz, Carb, Binder, Opaq, Misc. Part.	SSY Non Homogeneous
1672791CPL 67657	-	-	-	-	-	-	-	-	-	-	-	-	100 %	6/16/98
Black cove base with brown mastic													NFM: Qtz, Carb, Binder, Opaq, Misc. Part.	SSY Non Homogeneous
1672792CPL 67843	-	-	-	-	-	-	-	-	-	-	-	-	100 %	6/16/98
Black cove base with brown mastic													NFM: Qtz, Carb, Binder, Opaq, Misc. Part.	SSY Non Homogeneous
1672793CPL 67834	-	-	-	-	-	-	-	-	-	-	-	-	100 %	6/16/98
Black floor tile with grey mastic													NFM: Qtz, Binder, Opaq, Misc. Part.	SSY Non Homogeneous
1672794CPL 67642	-	-	-	-	-	-	-	-	-	-	-	-	100 %	6/16/98
Black cove base with brown mastic													NFM: Qtz, Binder, Opaq, Misc. Part.	SSY Non Homogeneous

Samples received on: Tuesday, June 16, 1998

Authorized Signature _____

Date


Stephen S. Yata, Geologist
Tuesday, June 16, 1998

RJ Lee Group, Inc.
Bay Area Lab

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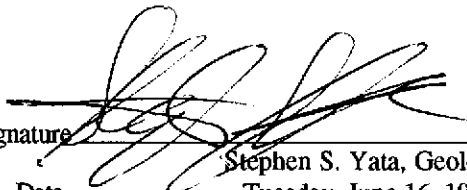
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Attn: Mr. Ken Pilgrim Project #: ORC4010; OliverRubbe
Project AOC806186

		-----Asbestos-----							-----Nonasbestos-----				
Sample Number / Sample Appearance	Client Sample Number	Chrysotile	Amosite	Crocidolite	Anthophyllite	Tremolite	Actinolite	Cellulose Wool	Fibrous Glass	Synthetic Fibers	Other Fibers	NonFibrous Material	Run Date Analyst
1672795CPL Black cove base with brown mastic	67767	-	-	-	-	-	-	-	-	-	-	100 %	6/16/98 SSY Non Homogeneous
NFM: Qtz, Binder, Opaq, Misc. Part.													
1672796CPL Beige VFT with black mastic, brown mastic Layer Content:	67646	3 %	-	-	-	-	-	<1 %	-	-	-	97 %	6/16/98 SSY Non Homogeneous
NFM: Qtz, Tar, Carb, Binder, Opaq, Misc. Part.													
Tile: 3% Chrysotile; Black Mastic: <1% Chrysotile; Other Layer: None Detected													
1672797CPL	67635												
<i>Sample Location</i>		Sample Not Analyzed											
1672798CPL	67636												
<i>Sample Location</i>		Sample Not Analyzed											
1672799CPL Grey floor tile with clear mastic	67632	-	-	-	-	-	-	<1 %	-	-	-	99+ %	6/16/98 SSY Non Homogeneous
NFM: Qtz, Carb, Binder, Opaq, Misc. Part.													
1672800CPL Grey floor tile with clear mastic	67641	-	-	-	-	-	-	<1 %	-	-	-	99+ %	6/16/98 SSY Non Homogeneous
NFM: Qtz, Carb, Binder, Opaq, Misc. Part.													

Samples received on: Tuesday, June 16, 1998


 Authorized Signature _____
 Stephen S. Yata, Geologist
 Date: Tuesday, June 16, 1998

RJ Lee Group, Inc.
Bay Area Lab

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Test Report - RGA Environmental Inc.

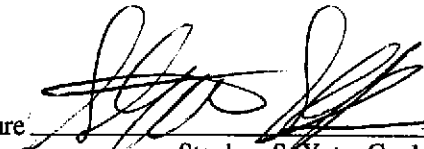
Attn: Mr. Ken Pilgrim Project #: ORC4010; OliverRubbe
Project AOC806186

Sample Number / Sample Appearance	Client Sample Number	-----Asbestos-----							-----Nonasbestos-----				Run Date
		Chrysotile	Amosite	Crocidolite	Anthophyllite	Tremolite	Actinolite	Cellulose	Wool	Fibrous Glass	Synthetic Fibers	Other Fibers	
1672801CPL Grey floor tile with clear mastic	67651	-	-	-	-	-	<1 %	-	-	-	-	99+ %	6/16/98 SSY
												NFM: Qtz, Carb, Binder, Opaq, Misc. Part.	Non Homogeneous
1672802CPL Grey cove base with brown mastic	67634	-	-	-	-	-	-	-	-	-	-	100 %	6/16/98 SSY
												NFM: Qtz, Carb, Binder, Opaq, Misc. Part.	Non Homogeneous
1672803CPL Grey cove base with brown mastic	67648	-	-	-	-	-	-	-	-	-	-	100 %	6/16/98 SSY
												NFM: Qtz, Carb, Binder, Opaq, Misc. Part.	Non Homogeneous
1672804CPL Grey cove base with brown mastic	67659	-	-	-	-	-	-	-	-	-	-	100 %	6/16/98 SSY
												NFM: Qtz, Carb, Binder, Opaq, Misc. Part.	Non Homogeneous
1672805CPL Grey floor tile with black mastic, black fiber layer <i>Layer Content:</i>	67655	2 %	-	-	-	-	1 %	-	-	-	-	97 %	6/16/98 SSY
												NFM: Qtz, Tar, Carb, Binder, Opaq, Misc. Part.	Non Homogeneous
												Tile: 2% Chrysotile; Mastic: <1% Chrysotile; Other Layer: None Detected	
1672806CPL	67866												

Sample Location Sample Not Analyzed

Samples received on: Tuesday, June 16, 1998

Authorized Signature



Stephen S. Yata, Geologist

Date

Tuesday, June 16, 1998

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Bay Area Lab

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San Leandro, CA 94577

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Test Report - RGA Environmental Inc.

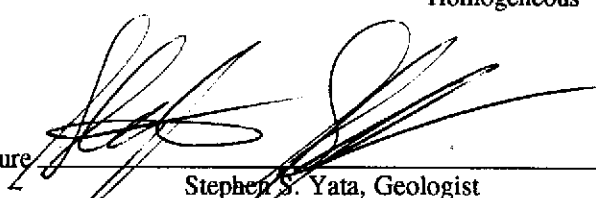
Attn: Mr. Ken Pilgrim Project #: ORC4010; OliverRubbe
Project AOC806186

Sample Number / Sample Appearance	Client Sample Number	-----Asbestos-----							-----Nonasbestos-----				Run Date Analyst	
		Chrysotile	Amosite	Crocidolite	Anthophyllite	Tremolite	Actinolite	Cellulose	Wool	Fibrous Glass	Synthetic Fibers	Other Fibers		NonFibrous Material
1672813CPL Black sheet vinyl mastic	67639	-	-	-	-	-	-	-	-	-	-	-	100 %	6/16/98 SSY
													Homogeneous	
1672814CPL White skip trowel	72282	-	-	-	-	-	-	<1 %	-	-	-	-	99+ %	6/16/98 SSY
													Homogeneous	
1672815CPL White skip trowel	67643	-	-	-	-	-	-	<1 %	-	-	-	-	99+ %	6/16/98 SSY
													Homogeneous	
1672816CPL White skip trowel	67656	-	-	-	-	-	-	<1 %	-	-	-	-	99+ %	6/16/98 SSY
													Homogeneous	
1672817CPL White plaster	67770	-	-	-	-	-	-	-	-	-	-	-	100 %	6/16/98 SSY
													Homogeneous	
1672818CPL White plaster	67785	-	-	-	-	-	-	-	-	-	-	-	100 %	6/16/98 SSY
													Homogeneous	

Samples received on: Tuesday, June 16, 1998

Authorized Signature _____

Date


Stephen S. Yata, Geologist
Tuesday, June 16, 1998

RJ Lee Group, Inc.
Bay Area Lab

530 McCormick Street
San Leandro, CA 94577

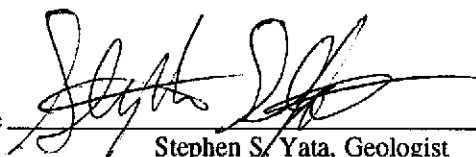
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Fax (510) 567-0488

Test Report - RGA Environmental Inc.

Attn: Ken Pilgrim Project #: ORC4010; OliverRubbe
Project AOC806186

Sample Number / Sample Appearance	Client Sample Number	-----Asbestos-----							-----Nonasbestos-----				Run Date	Analyst	
		Chrysotile	Amosite	Crocidolite	Anthophyllite	Tremolite	Actinolite	Cellulose	Mineral Wool	Fibrous Glass	Synthetic Fibers	Other Fibers			NonFibrous Material
1672819CPL White plaster	72286	-	-	-	-	-	-	-	-	-	-	-	100 %	6/16/98	SSY
													Homogeneous		
1672820CPL Blue VFT with tan compound (mastic N/S)	72285	-	-	-	-	-	-	1 %	-	-	-	-	99 %	6/16/98	SSY
													Non Homogeneous		
1672821CPL Blue VFT with white mastic, tan compound with grey stucco	72256	-	-	-	-	-	-	-	-	-	-	-	100 %	6/16/98	SSY
													Non Homogeneous		
1672822CPL Blue VFT with white mastic	72223	-	-	-	-	-	-	-	-	-	-	-	100 %	6/16/98	SSY
													Non Homogeneous		
1672823CPL Black floor tile (mastic N/S)	67787	1 %	-	-	-	-	-	-	-	-	-	-	99 %	6/16/98	SSY
													Homogeneous		
1672824CPL Black floor tile with brown mastic <i>Layer Content:</i> <i>Tile: 1% Chrysotile; Mastic: None Detected</i>	67629	1 %	-	-	-	-	-	<1 %	-	-	-	-	99 %	6/18/98	SSY
													Non Homogeneous		

Samples received on: Tuesday, June 16, 1998

Authorized Signature 
 Date Stephen S. Yata, Geologist
 Wednesday, June 17, 1998

RJ Lee Group, Inc.
Bay Area Lab

530 McCormick Street
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Page: 10 of 17

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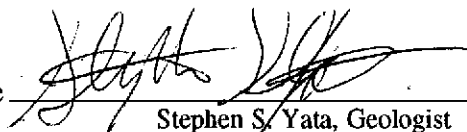
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Authorized Signature



Date

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Test Report - RGA Environmental Inc.

Attn: Mr. Ken Pilgrim Project #: ORC4010; OliverRubbe
Project AOC806186

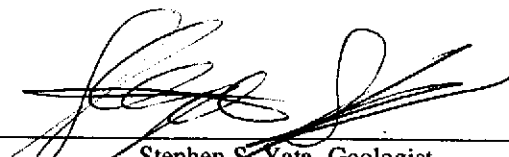
-----Asbestos----- -----Nonasbestos-----

Sample Number / Sample Appearance	Client Sample Number	Chrysotile	Amosite	Crocidolite	Anthophyllite	Tremolite	Actinolite	Cellulose	Wool	Mineral Glass	Fibrous Fibers	Synthetic Fibers	Other Material	NonFibrous Material	Run Date Analyst
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1672825CPL	72251															
<i>Sample Location</i>		<i>Sample Not Analyzed</i>														
1672826CPL	67764	-	-	-	-	-	-	<1 %	-	-	-	-	-	-	99+ %	6/16/98 SSY Non Homogeneous
Black floor tile with black mastic		NFM: Qtz, Tar, Carb, Binder, Opaq, Misc. Part.														
1672827CPL	72237	-	-	-	-	-	-	<1 %	-	-	-	-	-	-	99+ %	6/16/98 SSY Non Homogeneous
Black floor tile with brown/black mastic		NFM: Qtz, Tar, Carb, Binder, Opaq, Misc. Part.														
1672828CPL	67782	-	-	-	-	-	-	<1 %	-	-	-	-	-	-	99+ %	6/16/98 SSY Non Homogeneous
Black floor tile with brown mastic		NFM: Qtz, Carb, Binder, Opaq, Misc. Part.														
1672829CPL	67647	35 %	-	-	-	-	-	-	-	-	-	-	-	-	65 %	6/16/98 SSY Homogeneous
Tan pipe insulation		NFM: Qtz, Carb, Binder, Opaq, Misc. Part.														
1672830CPL	67771															

Sample Location *Sample Not Analyzed*

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 Stephen S. Yata, Geologist
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Sample Number / Sample Appearance	Client Sample Number	-----Asbestos-----										-----Nonasbestos-----				Run Date
		Chrysotile	Amosite	Crocidolite	Anthophyllite	Tremolite	Actinolite	Cellulose	Wool	Glass	Fibers	Fibers	Material	Analyst		
1672831CPL	67660															

<i>Sample Location</i>	<i>Sample Not Analyzed</i>														
1672832CPL	67886	15 %	-	-	-	-	-	-	-	-	-	-	-	85 %	6/16/98
Black roofing cement														NFM: Qtz, Tar, Carb, Opaq, Misc. Part.	SSY
														Homogeneous	

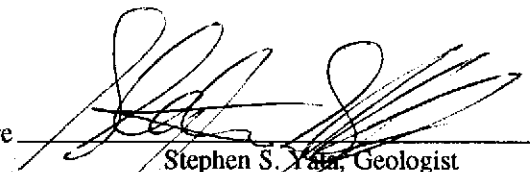
1672833CPL	67631														
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<i>Sample Location</i>	<i>Sample Not Analyzed</i>														
1672834CPL	67718														

<i>Sample Location</i>	<i>Sample Not Analyzed</i>														
1672835CPL	67815	-	-	-	-	-	-	<1 %	-	1 %	-	-	99 %	6/16/98	
Black roofing field														NFM: Qtz, Tar, Carb, Opaq, Misc. Part.	SSY
														Homogeneous	

1672836CPL	67786	-	-	-	-	-	-	10 %	-	1 %	-	-	89 %	6/16/98	
Black roofing field with black felt														NFM: Qtz, Tar, Carb, Opaq, Misc. Part.	SSY
														Non Homogeneous	

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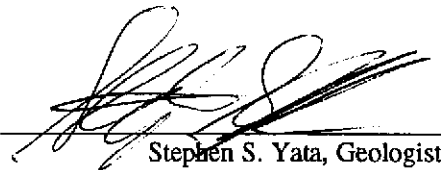
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Project AOC806186

Sample Number / Sample Appearance	Client Sample Number	-----Asbestos-----							-----Nonasbestos-----				Run Date Analyst	
		Chrysotile	Amosite	Crocidolite	Anthophyllite	Tremolite	Actinolite	Cellulose Wool	Mineral Glass	Fibrous Fibers	Synthetic Fibers	Other Material		
1672849CPL Black roofing field	67777	-	-	-	-	-	-	1 %	-	2 %	-	-	97 %	6/16/98 SSY
													NFM: Qtz, Tar, Carb, Opaq, Misc. Part.	Homogeneous
1672850CPL Grey window glazing	67791	-	-	-	-	-	-	<1 %	-	-	-	-	99+ %	6/16/98 SSY
													NFM: Qtz, Carb, Binder, Opaq, Misc. Part.	Homogeneous
1672851CPL Grey window glazing	67884	-	-	-	-	-	-	<1 %	-	-	-	-	99+ %	6/16/98 SSY
													NFM: Qtz, Carb, Binder, Opaq, Misc. Part.	Homogeneous
1672852CPL Grey window glazing	67652	-	-	-	-	-	-	<1 %	-	-	-	-	99+ %	6/16/98 SSY
													NFM: Qtz, Carb, Binder, Opaq, Misc. Part.	Homogeneous
1672853CPL Grey stucco	67838	-	-	-	-	-	-	<1 %	-	-	-	-	99+ %	6/16/98 SSY
													NFM: Qtz, Carb, Opaq, Misc. Part.	Homogeneous
1672854CPL Grey stucco	67719	-	-	-	-	-	-	<1 %	-	-	-	-	99+ %	6/16/98 SSY
													NFM: Qtz, Carb, Opaq, Misc. Part.	Homogeneous

Samples received on: Tuesday, June 16, 1998

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Stephen S. Yata, Geologist
Tuesday, June 16, 1998

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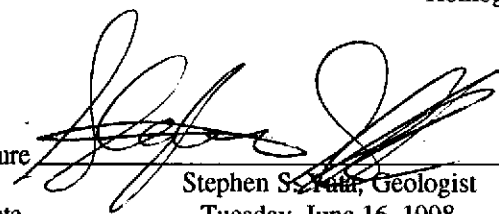
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Project AOC806186

Sample Number / Sample Appearance	Client Sample Number	-----Asbestos-----							-----Nonasbestos-----				Run Date Analyst	
		Chrysotile	Amosite	Crocidolite	Anthophyllite	Tremolite	Actinolite	Cellulose Wool	Mineral Glass	Fibrous Fibers	Synthetic Fibers	Other Material		NonFibrous
1672855CPL Grey stucco with black mastic	67708	-	-	-	-	-	-	<1 %	-	-	-	-	99+ %	6/16/98 SSY
													NFM: Qtz, Carb, Opaq, Misc. Part.	Non Homogeneous
1672856CPL Grey stucco	67709	-	-	-	-	-	-	<1 %	-	-	-	-	99+ %	6/16/98 SSY
													NFM: Qtz, Carb, Opaq, Misc. Part.	Homogeneous
1672857CPL Grey stucco	67819	-	-	-	-	-	-	<1 %	-	-	-	-	99+ %	6/16/98 SSY
													NFM: Qtz, Carb, Opaq, Misc. Part.	Homogeneous
1672858CPL Grey stucco	67807	-	-	-	-	-	-	<1 %	-	-	-	-	99+ %	6/16/98 SSY
													NFM: Qtz, Carb, Opaq, Misc. Part.	Homogeneous
1672859CPL Grey stucco	67773	-	-	-	-	-	-	<1 %	-	-	-	-	99+ %	6/16/98 SSY
													NFM: Qtz, Carb, Opaq, Misc. Part.	Homogeneous
1672860CPL Grey window glazing	67848	1 %	-	-	-	-	-	-	-	-	-	-	99 %	6/16/98 SSY
													NFM: Qtz, Carb, Binder, Opaq, Misc. Part.	Homogeneous

Samples received on: Tuesday, June 16, 1998

Authorized Signature



Stephen S. Furr, Geologist
Tuesday, June 16, 1998

Date

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Project AOC806186

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

Sample Number / Sample Appearance	Client Sample Number	Chrysotile	Amosite	Crocidolite	Anthophyllite	Tremolite	Actinolite	Cellulose Wool	Mineral Glass	Fibrous Fibers	Synthetic Fibers	Other Material	NonFibrous Material	Run Date Analyst
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1672861CPL 67650

Sample Location Sample Not Analyzed

1672862CPL 67780

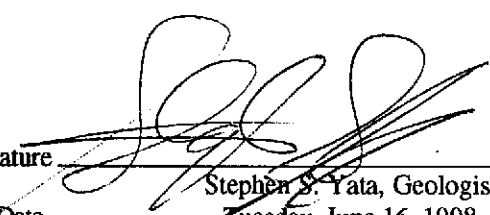
Sample Location Sample Not Analyzed

1672863CPL	67706	-	-	-	-	-	-	-	2 %	-	-	98 %	6/16/98
Black roofing felt									NFM: Qtz, Tar, Carb, Opaq, Misc. Part.			SSY	
												Homogeneous	

1672864CPL	67766	-	-	-	-	-	-	<1 %	1 %	-	-	99 %	6/16/98
Black roofing felt									NFM: Qtz, Tar, Carb, Opaq, Misc. Part.			SSY	
												Homogeneous	

1672865CPL	67723	-	-	-	-	-	-	<1 %	1 %	-	-	99 %	6/16/98
Black roofing field									NFM: Qtz, Tar, Carb, Opaq, Misc. Part.			SSY	
												Homogeneous	

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Appendix 3
Laboratory Certifications

United States Department of Commerce
National Institute of Standards and Technology

NVLAP®

ISO/IEC GUIDE 25:1990
ISO 9002:1987

Certificate of Accreditation



RJ LEE GROUP, INC.
SAN LEANDRO, CA

is recognized under the National Voluntary Laboratory Accreditation Program for satisfactory compliance with criteria established in Title 15, Part 285 Code of Federal Regulations. These criteria encompass the requirements of ISO/IEC Guide 25 and the relevant requirements of ISO 9002 (ANSI/ASQC Q92-1987) as suppliers of calibration or test results. Accreditation is awarded for specific services, listed on the Scope of Accreditation for:

BULK ASBESTOS FIBER ANALYSIS

June 30, 1998

Effective through


For the National Institute of Standards and Technology

NVLAP Lab Code: 101208-2

Appendix 4
Inspector Certifications

The Environmental Institute

Kenneth Pilgrim

559 02 9726

Has completed course work that meets the criteria required for
EPA/AHERA (TSCA Title II) Approved Reaccreditation and
NESHAPs Regulation Training

Asbestos in Buildings: Building Inspector Refresher

January 13, 1998
Course Date

12062 - BIR
Certificate Number

January 13, 1999
Expiration Date

E. Schuler
Course Director



6666 Owens Drive - Pleasanton, California

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

Kenneth M. Pilgrim

Name



Certification No. 97-2267

Expires on 10/15/98

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

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

Yew "Eddie" C. Chan

Name



Certification No. 93-0954

Expires on 3/12/99

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.