

The Normandy Apartments

APPENDIX C

ESSEL ENVIRONMENTAL - LIMITED ASBESTOS AND LEAD SURVEY

This report discusses the findings of the limited asbestos and lead survey conducted by Essel Environmental on August 6, 2024 at the project location, 1155 Ellis Street, San Francisco, California.



August 15, 2024

Mr. Alberto Benejam
Associate Director of Housing Development
Tenderloin Neighborhood Development Corporation
201 Eddy Street
San Francisco, CA 94102

Transmitted Electronically: Abenejam@TNDC.org

**RE: Limited Asbestos and Lead Survey
The Normandy Apartments
1155 Eddy Street, San Francisco, California
Essel Project No. 328.24001**

Dear Mr. Benejam:

This report discusses the findings of the limited asbestos and lead survey conducted by Essel Environmental, (Essel) on August 6, 2024 at The Normandy Apartments – 1155 Ellis Street, San Francisco, California. The sampling was limited to the mechanical rooms, common areas, exterior, roof and two apartments (subject area). The sampling was conducted at the request of Mr. Alberto Benejam and Chris Cumming of Tenderloin Neighborhood, Development Corporation (TNDC).

Asbestos Bulk Sample Results

Mr. Chris Yama, a Cal-OSHA Certified Asbestos Consultant (CAC #98-2356), with Essel, performed limited bulk sampling of suspect asbestos-containing material. Forty-three (43) samples of suspect asbestos materials were collected on August 6, 2024 and submitted for analysis.

The asbestos samples were delivered to Eurofins CEI Laboratories of Cary, NC; an independent laboratory that participates in the bulk sample proficiency analysis program conducted by the United States Environmental Protection Agency (EPA) and is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP). The samples were analyzed using Polarized Light Microscopy (PLM) with dispersion staining to estimate percent composition by volume. Samples with less than 1% (<1%) asbestos are designated as “Trace asbestos.” Samples with no observable asbestiform minerals are designated as “no asbestos detected.”

Summary of Asbestos Bulk Sampling Results

Sample Number	Material Description	Location Description	Results	Approx. Quantity*	NESHAPS Category ¹	OSHA Class ²
FA-1-1, 2	9" x 9" Red Floor Tile and Yellow/Tan Mastic	Throughout Building in Stairwells	Floor Tile: No Asbestos Detected Mastic: 2% Chrysotile Asbestos	2,700 SF	Cat I	Class 2
ES-2-1, 2, 3, 4, 5, 6, 7	Exterior Stucco	Throughout Building	Stucco: No Asbestos Detected	N/Q	N/A	N/A
FA-3-1, 2	9" x 9" Black Floor Tile and Black Mastic	Throughout Building -Partially Concealed by newer Flooring	Floor Tile: 2% Chysotile Asbestos Mastic: 2% Chysotile Asbestos	10,800 SF*	Cat I	Class 2
RC-4-1, 2	Black Rolled Roofing	Roof	Tar and Felt: No Asbestos Detected	N/Q	N/A	N/A
AS-5-1, 2	Red Asphalt Shingles	Roof Perimeters	Tar and Felt: No Asbestos Detected	N/Q	N/A	N/A
RP-6-1, 2	Roof Patching Compound	Throughout Roof	Tar: No Asbestos Detected	N/Q	N/A	N/A
TG-7-1, 2	4" White Ceramic Tile and Underlayment	Throughout Building in Bathrooms	Grout: No Asbestos Detected Underlayment: 2% Chysotile Asbestos	17,280 SF	Cat II	Class 2
CT-8-1, 2	2' X 4' Ceiling Tiles	Laundry Room and Offices	Tile: No Asbestos Detected	N/Q	N/A	N/A
WT-9-1, 2, 3, 4, 5, 6, 7	Wall Texture on Drywall	Throughout Building	Wall Texture: 2% Chysotile Asbestos	185,400 SF	Friable RACM	Class 2
JC-10-1, 2, 3, 4, 5, 6, 7	Drywall and Joint Compound	Throughout Building	Drywall: No Asbestos Detected Joint Compound: 2% Chysotile Asbestos Composite: <1% Chrysotile Asbestos	310,700 SF	Friable RACM	Class 2
SA-11-1, 2, 3, 4, 5, 6, 7	Acoustic Spray Texture	Throughout Building	Spray Texture: 2% Chysotile Asbestos	61,200 SF	Friable RACM	Class 1
PE-12-1, 2, 3	Hard Pack Elbows and Fittings on Fiberglass Lines	Throughout Building-Partially Concealed by Walls and Ceilings	Fibrous Mudding: 2% Chysotile Asbestos	200 Each*	Friable RACM	Class 1

*Approximate quantities should be verified during any project planning as the building was occupied during the survey and Essel was unable to perform a fully destructive investigation to identify all concealed conditions.

¹EPA's NESHAPS regulations define categories of asbestos-containing materials (ACM) based on their potential of asbestos fiber release when disturbed:

- Friable - Any material containing more than 1 percent asbestos that, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure.
- Category I Non-friable ACM (Cat I NF) - Asbestos-containing packings, gaskets, resilient floor covering and asphalt roofing products containing more than 1 percent asbestos.
- Category II Non-friable ACM (Cat II NF) - Any material, excluding Category I non-friable ACM containing more than 1 percent asbestos as determined using the methods specified under AHERA, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure.

²OSHA's Asbestos in Construction Standard (Federal - 29 CFR 1910.126 and California – 8 CCR 1529) define specific "Classes" of work based on the risk of exposure to employees with the potential for disturbance of asbestos-containing materials. The classes of work are defined as

- Class 1 - Asbestos-related activities involving the removal of thermal systems insulation (TSI) and surfacing ACM or presumed ACM.
- Class 2 - Asbestos-related activities involving the removal of ACM which are not TSI or surfacing ACM.

Asbestos Sampling Conclusions and Recommendations

Based on the sample results, the planned renovation projects will most likely impact asbestos-containing materials. The final scope of work should be reviewed against the asbestos survey information. If asbestos-containing materials

will be disturbed during the project, all work should be performed by licensed asbestos abatement contractors working under The TNDC asbestos program requirements.

A review of all other asbestos survey information available for the property in conjunction with these results should be conducted prior to proceeding with project activities and when a change in the project scope is developed. If suspect asbestos-containing materials will be impacted that are not addressed in this survey or in the historical survey records, additional sampling should be conducted prior to disturbance. Historical records (typically predating 1995) have limited value for project planning and should be verified with confirmatory inspection and additional sampling as necessary prior to project planning.

Lead Sampling Results

Mr. Chris Yama, a California Department of Public Health Lead Inspector/Assessor # LRC00000919 with Essel, collected seven (7) bulk samples to establish lead-paint concentration for clean up and disposal requirements. Samples with detectable amounts of lead must be properly removed and disposed of according to local, state and federal regulations. Lead sampling was conducted to identify suspect lead-containing coatings that may be disturbed by project activities for the purpose of compliance with Cal-OSHA’s Lead in Construction Standard and is not intended to be a “Lead Inspection” or “Lead Risk Assessment” as defined by the California Department of Public Health.

The bulk samples were obtained from suspect lead paint identified at the building. The paint sampling was limited to the predominant exterior and interior colors and may not represent all colors found at the property. Paint colors and/or descriptions are identified based on the surface color observed by Essel at the time of the survey and does not necessarily identify paint descriptions underlying the surface coat.

The samples were delivered to Eurofins CEI Laboratories of Cary, NC, an independent American Industrial Hygiene Association (AIHA) accredited laboratories, for analysis. Samples were analyzed by Atomic Absorption (AA) Spectroscopy in accordance with the EPA 3050B/7000B Method. The colors, locations, and lead contents of these paints are listed below.

Summary of Lead Bulk Sample Results

Sample Number	Material Description	Material Location	Lead Content (ppm unless otherwise noted)	Approximate Quantity
PT-1	Blue, Tan, White, Green, and Purple on Exterior Walls and Trim	Throughout Exterior	<58.9	N/A No lead detected
PT-2	Black and Tan on Exterior Roof Trim	Throughout Exterior	3,050	2,050 SF Total 200 SF* Loose and Peeling
PT-3	White on Exterior Trim and Doors	Throughout Exterior	6,100	2,050 SF Total 200 SF* Loose and Peeling
PT-4	White Ceramic Tiles	Bathrooms	<22	N/A No lead detected
PT-5	Brown and White On Interior Trim and Doors	Throughout Building	251	900 SF* Loose and Peeling, 4,150 SF Total
PT-6	White and Beige on Drywall	Throughout Building	<61.3	N/A No lead detected
PT-7	Purple, Grey and Red on Exterior Walls and Trim	Throughout Exterior	<60.7	N/A No lead detected
PT-8	Brown and Red on Structural Steel	Throughout Building	Assumed Lead Containing	2,000 SF

*Quantity for “paint” reflects approximate area of loose & peeling only, not all painted surfaces.

Lead Sampling Conclusions & Recommendations

Of the seven samples collected one sample was reported to contain lead above 0.5%, 5,000 parts per million (weight by weight), or 1.0 mg/cm² which is the definition for Lead Based Paint by the Environmental Protection Agency (EPA) and the California Department of Public Health (CDPH).

Of the seven samples collected three were found to have detectable amounts of lead. The paint on the structural steel is assumed to contain lead. The OSHA Lead in Construction Standard requires the use of special work practices during the disturbance of paint with any detectable amounts of lead. See OSHA Lead Regulation Summary below.

Lead containing waste materials with a concentration greater than 0.1%, for total lead, is considered hazardous waste in the State of California. Lead containing waste materials with a total lead concentration between 0.005% (50 ppm) and 0.10% (1000 ppm) must be re-analyzed using the waste extraction test (WET) method to determine the soluble lead content for waste disposal requirements.

The EPA – Renovation, Repair and Painting Final Rule (40 CFR 745) requires that renovations conducted for compensation (where lead-based paint will be disturbed) in Target Housing or Child-Occupied facilities, must be performed by Certified Firms using Certified Renovators following the requirements set forth in the regulation.

Contractors are also required to notify the Division of Occupational Safety and Health (DOSH) prior to disturbing greater than 100 square feet or 100 linear feet of material containing lead greater than 0.5% by weight, 5000 parts per million (ppm) or 1.0 milligram per square centimeter (mg/cm²).

OSHA Lead Regulation Summary

The Federal Occupational Safety and Health Administration (OSHA), has enacted a lead standard, which was adopted by the Cal/OSHA as 8 CCR 1532.1. The purpose of both standards is to protect construction workers from exposure to lead. OSHA is primarily concerned with activities that disturb paints with any detectable amounts of lead. Lead was used in most paints until the mid 1950’s and was banned in amounts in excess of 0.06% by weight in 1978 for most non-industrial paints by the Consumer Product Safety Commission (CPSC).

The Cal/OSHA standard requires contractors and employers to notify the State of California Division of Occupational Safety and Health (DOSH) prior to disturbing greater than 100 square feet or 100 linear feet of material containing lead greater than 0.5%, 5,000 parts per million (weight by weight), or 1.0 mg/cm². The Cal/OSHA standard also requires contractors and employers who perform paint removal activities to monitor their employees to determine whether they are being exposed in excess of the action level of 30 micrograms per cubic meter of air (µg/m³) over an eight-hour time weighted average (TWA) or the “Permissible Exposure Limit” (PEL) of 50 µg/m³ TWA. Monitoring is performed by personal air sampling.

Even when concentrations are below the action level, an employer must provide employees with High Efficiency Particulate Air (HEPA) filtered vacuums, wetting agents and hand-washing facilities. If the exposure exceeds the action level or the PEL, other procedures such as containing the area, local exhaust ventilation, respiratory and worker protection, worker training, decontamination facilities and medical monitoring are required.

OSHA has identified several work practices that pose varying levels of lead exposure to laborers disturbing lead-containing paint. Estimated exposure levels of lead are founded on the activity itself, rather than the concentrations of lead present in paint. Therefore, as an example, paint that contains 0.5% versus 15% of lead by weight or 0.8 mg/cm² versus 3.5 mg/cm² of lead in paint could pose the same exposure levels to workers depending on the activities that cause the disturbance and the administrative and engineering controls that are followed.

The following is a summary of work activities that disturb paint, the expected exposure and the respiratory protection requirements that result as outlined in the OSHA standards:

Activities	Potential Exposure	Minimum Respiratory Protection
Class I activities include: Manual demolition, manual scraping, manual sanding, heat gun applications, general cleanup, power tool cleaning with dust collection systems and spray painting activities	50 µg/m ³ to 500 µg/m ³	Half mask air purifying respirator equipped with HEPA filters having a protection factor of 10
Class II activities include: Using lead-containing mortars, lead burning, lead riveting, rivet busting, power tool cleaning without dust collection systems, cleanup of dry expendable abrasives and abrasive blasting	500 µg/m ³ to 2,500 µg/m ³	Full face powered air purifying respirators equipped with HEPA filters having a protection factor of 100
Class III activities include: Abrasive blasting, welding, cutting and torch burning on steel structures	Greater than 2,500 µg/m ³	Full face supplied air respirator operated in pressure demand mode or other positive pressure mode (type “C”)

Limitations

Essel has made its best effort to evaluate the conditions at The Normandy Apartments, located at 1155 Ellis Street, San Francisco, California, using standard survey techniques as recommended by the U.S. Environmental Protection Agency and the National Institute of Occupational Safety and Health.

Essel conducted the limited survey with the standard of care ordinarily exercised by qualified and reputable members of the environmental/industrial hygiene profession based on conditions and practices observed at the property and information provided to Essel related to the project and/or purpose of the survey at the time of the investigation. The survey was limited to specific project areas and was not intended to identify all suspect asbestos-containing materials within the building. Areas and materials not included in the survey should be inspected and sampled prior to any renovation, maintenance, demolition or other activity that may cause disturbance to the materials. This report does not intend to identify all hazards or unsafe practices, nor to indicate that other hazards or unsafe conditions do not exist at the property.

Essel encountered the following inaccessible areas in addition to general concealed conditions (i.e. within wall cavities, above/below solid ceilings or flooring/sub-flooring materials, etc.) and are excluded from the scope of the survey. These areas should be inspected and any suspect lead and asbestos-containing materials sampled for the presence of asbestos and lead prior to any renovation, maintenance, demolition or other activity that may cause disturbance to the materials.

Inaccessible Areas

- No inaccessible areas/equipment were identified within the provided project areas

Materials that would require intrusive or destructive sampling were generally not sampled as part of the project unless written direction was provided to Essel to perform intrusive and/or destructive sampling on specific building systems, the area was unoccupied at the time of the survey and by performing intrusive/destructive sampling would not create an unsafe condition. Furthermore, Essel shall not be responsible for identifying and/or sampling suspect materials concealed within walls, columns, beneath flooring, above solid ceilings, underground or in any other concealed areas. Essel shall not be responsible for identification, sampling and/or characterization of PCB and lighting/mercury wastes. General observations may be noted if Essel observed suspect conditions to the client either separately or within this report.

Essel excludes sampling concrete and asphalt paving as suspect asbestos-containing materials. Aggregate found in these materials may contain asbestos if supplied from quarries located in known ultra-mafic areas. It is possible that prior to recycling and/or disposal, recycling agents or landfills may require sampling of these materials to determine the presence of asbestos prior to acceptance.

Essel excludes characterization of soils in areas on known ultramafic rock (where naturally occurring asbestos may be found in soils) as part of the scope of work. If the project area is located within a known ultramafic rock area, provisions should be made to address regulatory requirements for any planned excavation and grading as part of the project. Essel can provide further detail on regulatory requirements related to naturally occurring asbestos in soils.

Quantities identified may not represent entire quantities of each material in the building based on the scope of the survey.

The analyzing laboratory quantifies asbestos concentrations by calibrated visual estimation using standard PLM methodology, with detection of asbestos is material/matrix dependent. Detection of trace asbestos (<1%) may not be reliable or reproducible by PLM and percentage of asbestos weight cannot be determined with standard PLM methodology. Confirmation of asbestos concentrations within complex matrices (i.e. plaster, gypsum wallboard/taping/joint compounds, stucco, resilient flooring, roofing) or when asbestos concentrations are 1% or less may warrant additional analysis by PLM point counting, gravimetric reduction or Transmission Electron Microscopy for proper characterization of asbestos-containing materials and/or waste-stream analysis.

This report is prepared for the express use of TNDC, its agents and employees. The information in this report or portions thereof may be required to be included in notifications to employees, occupants, contractors, vendors or

Normandy Apartments – 1155 Ellis Street, SF, California

TNDC

August 2024

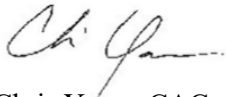
Page 7 of 7

other visitors to the building. This report is not intended to be used as a specification or work plan for removal of asbestos-containing or other hazardous materials identified in the report or for any work suggested by the report.

Please contact me (707) 631-6464, if you have any questions.

Sincerely,

ESSEL ENVIRONMENTAL AND EMERGENCY RESPONSE

A handwritten signature in cursive script, appearing to read "Chris Yama".

Chris Yama, CAC, CHMM, LEED AP

Senior Project Manager

Cal-OSHA Certified Asbestos Consultant #98-2356

Attachments: Laboratory Reports

August 12, 2024

Essel Environmental
2420 Martin Road, Suite 150
Fairfield, CA 94534

CLIENT PROJECT: 328.24001, Normandy, 1155 Ellis St. SF, CA
CEI LAB CODE: B2415207

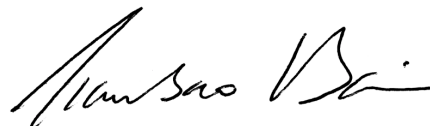
Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on August 9, 2024. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

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

Thank you for your business and we look forward to continuing good relations.

Kind Regards,



Tianbao Bai, Ph.D., CIH
Laboratory Director



CEI

ASBESTOS ANALYTICAL REPORT

By: Polarized Light Microscopy

Prepared for

Essel Environmental

CLIENT PROJECT: 328.24001, Normandy, 1155 Ellis St. SF, CA

LAB CODE: B2415207

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 08/12/24

TOTAL SAMPLES ANALYZED: 43

SAMPLES >1% ASBESTOS: 29



CEI

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 328.24001, Normandy, 1155 Ellis St. SF, LAB CODE: B2415207
CA

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
FA-1-1		B2415207.01A	Red	Floor Tile	None Detected
		B2415207.01B	Yellow,Tan	Mastic	Chrysotile 3%
FA-1-2		B2415207.02A	Red	Floor Tile	None Detected
		B2415207.02B	Yellow,Tan	Mastic	Chrysotile 3%
ES-2-1	Layer 1	B2415207.03	White,Gray	Stucco	None Detected
	Layer 2	B2415207.03	Gray	Stucco	None Detected
	Layer 3	B2415207.03	White,Off-white	Stucco	None Detected
ES-2-2		B2415207.04	White,Gray	Stucco	None Detected
ES-2-3		B2415207.05	White,Gray	Stucco	None Detected
ES-2-4	Layer 1	B2415207.06	White,Gray	Stucco	None Detected
	Layer 2	B2415207.06	Gray	Stucco	None Detected
ES-2-5	Layer 1	B2415207.07	White,Gray	Stucco	None Detected
	Layer 2	B2415207.07	Gray	Stucco	None Detected
ES-2-6		B2415207.08	White,Off-white	Stucco	None Detected
ES-2-7	Layer 1	B2415207.09	White,Gray	Stucco	None Detected
	Layer 2	B2415207.09	Gray	Stucco	None Detected
	Layer 3	B2415207.09	White,Off-white	Stucco	None Detected
FA-3-1		B2415207.10A	Gray	Floor Tile	Chrysotile 2%
		B2415207.10B	Black	Mastic	Chrysotile 5%
FA-3-2		B2415207.11A	Gray	Floor Tile	Chrysotile 2%
		B2415207.11B	Black	Mastic	Chrysotile 5%
RC-4-1	Layer 1	B2415207.12	Black,Gray	Roof Shingle	None Detected
	Layer 2	B2415207.12	Black,Brown	Roof Tarpaper	None Detected
	Layer 3	B2415207.12	Gray	Roof Insulation	None Detected
RC-4-2	Layer 1	B2415207.13	Black,Gray	Roof Shingle	None Detected
	Layer 2	B2415207.13	Black,Brown	Roof Tarpaper	None Detected
AS-5-1		B2415207.14	Black,Red	Asphalt Shingle	None Detected
AS-5-2		B2415207.15	Black,Red	Asphalt Shingle	None Detected
RP-6-1		B2415207.16	Black	Roof Patch	None Detected
RP-6-2		B2415207.17	Black	Roof Patch	None Detected



CEI

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 328.24001, Normandy, 1155 Ellis St. SF, **LAB CODE:** B2415207
CA

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
TG-7-1	Layer 1	B2415207.18	Off-white, Cream	Tile Underlayment	Chrysotile 2%
	Layer 2	B2415207.18	Off-white, Cream	Mud	None Detected
CT-8-1		B2415207.19	Off-white, Gray	Ceiling Tile	None Detected
WT-9-1		B2415207.20	Off-white, White	Texture	Chrysotile 2%
WT-9-2		B2415207.21	Off-white, Brown	Tape	None Detected
WT-9-3		B2415207.22	Off-white, White	Texture	Chrysotile 2%
WT-9-4		B2415207.23	Off-white, White	Texture	Chrysotile 2%
WT-9-5		B2415207.24	Off-white, White	Texture	Chrysotile 2%
WT-9-6		B2415207.25	Off-white, White	Texture	Chrysotile 2%
WT-9-7		B2415207.26	Off-white, White	Texture	Chrysotile 2%
JC-10-1	Layer 1	B2415207.27	Off-white, White	Joint Compound	Chrysotile 2%
	Layer 2	B2415207.27	Off-white, Brown	Drywall	None Detected
	Layer 3	B2415207.27	Off-white, Brown	Drywall/Joint Compound (Composite)	Chrysotile <1%
JC-10-2	Layer 1	B2415207.28	Off-white, White	Joint Compound	Chrysotile 2%
	Layer 2	B2415207.28	Off-white, Brown	Drywall	None Detected
	Layer 3	B2415207.28	Off-white, Brown	Drywall/Joint Compound (Composite)	Chrysotile <1%
JC-10-3		B2415207.29	Off-white, Brown	Drywall	None Detected
JC-10-4	Layer 1	B2415207.30	Off-white, White	Joint Compound	Chrysotile 2%
	Layer 2	B2415207.30	Off-white, Brown	Drywall	None Detected
	Layer 3	B2415207.30	Off-white, Brown	Drywall/Joint Compound (Composite)	Chrysotile <1%
JC-10-5	Layer 1	B2415207.31	Off-white, White	Joint Compound	Chrysotile 2%
	Layer 2	B2415207.31	Off-white, Brown	Drywall	None Detected
	Layer 3	B2415207.31	Off-white, Brown	Drywall/Joint Compound (Composite)	Chrysotile <1%
JC10-6	Layer 1	B2415207.32	Off-white, White	Joint Compound	Chrysotile 2%
	Layer 2	B2415207.32	Off-white, Brown	Drywall	None Detected
	Layer 3	B2415207.32	Off-white, Brown	Drywall/Joint Compound (Composite)	Chrysotile <1%



CEI

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 328.24001, Normandy, 1155 Ellis St. SF, **LAB CODE: B2415207**
CA

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
JC10-7	Layer 1	B2415207.33	Off-white,White	Joint Compound	Chrysotile 2%
	Layer 2	B2415207.33	Off-white,Brown	Drywall	None Detected
	Layer 3	B2415207.33	Off-white,Brown	Drywall/Joint Compound (Composite)	Chrysotile <1%
SA-11-1		B2415207.34	Off-white,White	Acoustic Spray	Chrysotile 2%
SA-11-2		B2415207.35	Off-white,White	Acoustic Spray	Chrysotile 2%
SA-11-3		B2415207.36	Off-white,White	Acoustic Spray	Chrysotile 2%
SA-11-4		B2415207.37	Off-white,White	Acoustic Spray	Chrysotile 2%
SA-11-5		B2415207.38	Off-white,White	Acoustic Spray	Chrysotile 2%
SA-11-6		B2415207.39	Off-white,White	Acoustic Spray	Chrysotile 2%
SA-11-7		B2415207.40	Off-white,White	Acoustic Spray	Chrysotile 2%
PE-12-1		B2415207.41	Off-white,White	Pipe Elbows	Chrysotile 3%
PE-12-2		B2415207.42	Off-white,White	Pipe Elbows	Chrysotile 3%
PE-12-3		B2415207.43	Off-white,White	Pipe Elbows	Chrysotile 3%

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Essel Environmental
 2420 Martin Road, Suite 150
 Fairfield, CA 94534

Lab Code: B2415207
Date Received: 08-09-24
Date Analyzed: 08-12-24
Date Reported: 08-12-24

Project: 328.24001, Normandy, 1155 Ellis St. SF, CA

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous	Non-Fibrous			
FA-1-1 B2415207.01A	Floor Tile	Homogeneous Red Non-fibrous Tightly Bound	<1%	Cellulose	100%	Rubber	None Detected
B2415207.01B	Mastic	Homogeneous Yellow, Tan Non-fibrous Bound	5%	Cellulose	92%	Mastic	3% Chrysotile
FA-1-2 B2415207.02A	Floor Tile	Homogeneous Red Non-fibrous Tightly Bound	<1%	Cellulose	100%	Rubber	None Detected
B2415207.02B	Mastic	Homogeneous Yellow, Tan Non-fibrous Bound	5%	Cellulose	92%	Mastic	3% Chrysotile
ES-2-1 Layer 1 B2415207.03	Stucco	Heterogeneous White, Gray Non-fibrous Bound	<1%	Cellulose	5% 35% 60%	Paint Silicates Calc Carb	None Detected
Layer 2 B2415207.03	Stucco	Heterogeneous Gray Non-fibrous Bound	<1%	Cellulose	35% 65%	Silicates Binder	None Detected
Layer 3 B2415207.03	Stucco	Heterogeneous White, Off-white Non-fibrous Bound	<1%	Cellulose	35% 65%	Silicates Binder	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Essel Environmental
 2420 Martin Road, Suite 150
 Fairfield, CA 94534

Lab Code: B2415207
Date Received: 08-09-24
Date Analyzed: 08-12-24
Date Reported: 08-12-24

Project: 328.24001, Normandy, 1155 Ellis St. SF, CA

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous	Non-Fibrous			
ES-2-2 B2415207.04	Stucco	Heterogeneous	<1%	Cellulose	5%	Paint	None Detected
		White,Gray			35%	Silicates	
		Non-fibrous			60%	Calc Carb	
		Bound					
ES-2-3 B2415207.05	Stucco	Heterogeneous	<1%	Cellulose	5%	Paint	None Detected
		White,Gray			35%	Silicates	
		Non-fibrous			60%	Calc Carb	
		Bound					
ES-2-4 Layer 1 B2415207.06	Stucco	Heterogeneous	<1%	Cellulose	5%	Paint	None Detected
		White,Gray			35%	Silicates	
		Non-fibrous			60%	Calc Carb	
		Bound					
Layer 2 B2415207.06	Stucco	Heterogeneous	<1%	Cellulose	5%	Paint	None Detected
		Gray			35%	Silicates	
		Non-fibrous			60%	Binder	
		Bound					
ES-2-5 Layer 1 B2415207.07	Stucco	Heterogeneous	<1%	Cellulose	5%	Paint	None Detected
		White,Gray			35%	Silicates	
		Non-fibrous			60%	Calc Carb	
		Bound					
Layer 2 B2415207.07	Stucco	Heterogeneous	<1%	Cellulose	5%	Paint	None Detected
		Gray			35%	Silicates	
		Non-fibrous			60%	Binder	
		Bound					
ES-2-6 B2415207.08	Stucco	Heterogeneous	<1%	Cellulose	35%	Silicates	None Detected
		White,Off-white			65%	Binder	
		Non-fibrous					
		Bound					

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Essel Environmental
 2420 Martin Road, Suite 150
 Fairfield, CA 94534

Lab Code: B2415207
Date Received: 08-09-24
Date Analyzed: 08-12-24
Date Reported: 08-12-24

Project: 328.24001, Normandy, 1155 Ellis St. SF, CA

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous	Non-Fibrous			
ES-2-7 Layer 1 B2415207.09	Stucco	Heterogeneous	<1%	Cellulose	5%	Paint	None Detected
		White, Gray			35%	Silicates	
		Non-fibrous Bound			60%	Calc Carb	
Layer 2 B2415207.09	Stucco	Heterogeneous	<1%	Cellulose	35%	Silicates	None Detected
		Gray			65%	Binder	
		Non-fibrous Bound					
Layer 3 B2415207.09	Stucco	Heterogeneous	<1%	Cellulose	35%	Silicates	None Detected
		White, Off-white			65%	Binder	
		Non-fibrous Bound					
FA-3-1 B2415207.10A	Floor Tile	Homogeneous	<1%	Cellulose	98%	Vinyl	2% Chrysotile
		Gray Non-fibrous Tightly Bound					
B2415207.10B	Mastic	Homogeneous	<1%	Cellulose	95%	Mastic	5% Chrysotile
		Black Non-fibrous Bound					
FA-3-2 B2415207.11A	Floor Tile	Homogeneous	<1%	Cellulose	98%	Vinyl	2% Chrysotile
		Gray Non-fibrous Tightly Bound					
B2415207.11B	Mastic	Homogeneous	<1%	Cellulose	95%	Mastic	5% Chrysotile
		Black Non-fibrous Bound					

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Essel Environmental
 2420 Martin Road, Suite 150
 Fairfield, CA 94534

Lab Code: B2415207
Date Received: 08-09-24
Date Analyzed: 08-12-24
Date Reported: 08-12-24

Project: 328.24001, Normandy, 1155 Ellis St. SF, CA

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
RC-4-1 Layer 1 B2415207.12	Roof Shingle	Heterogeneous	<1%	Cellulose	10%	Gravel	None Detected
		Black,Gray	50%	Fiberglass	40%	Tar	
		Fibrous					
		Bound					
Layer 2 B2415207.12	Roof Tarpaper	Heterogeneous	30%	Cellulose	30%	Tar	None Detected
		Black,Brown	40%	Synthetic Fiber			
		Fibrous					
		Bound					
Layer 3 B2415207.12	Roof Insulation	Heterogeneous	<1%	Cellulose	100%	Foam	None Detected
		Gray					
		Non-fibrous					
		Bound					
RC-4-2 Layer 1 B2415207.13	Roof Shingle	Heterogeneous	<1%	Cellulose	10%	Gravel	None Detected
		Black,Gray	50%	Fiberglass	40%	Tar	
		Fibrous					
		Bound					
Layer 2 B2415207.13	Roof Tarpaper	Heterogeneous	30%	Cellulose	30%	Tar	None Detected
		Black,Brown	40%	Synthetic Fiber			
		Fibrous					
		Bound					
AS-5-1 B2415207.14	Asphalt Shingle	Heterogeneous	<1%	Cellulose	10%	Gravel	None Detected
		Black,Red	50%	Fiberglass	40%	Tar	
		Fibrous					
		Bound					
AS-5-2 B2415207.15	Asphalt Shingle	Heterogeneous	<1%	Cellulose	10%	Gravel	None Detected
		Black,Red	50%	Fiberglass	40%	Tar	
		Fibrous					
		Bound					

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Essel Environmental
 2420 Martin Road, Suite 150
 Fairfield, CA 94534

Lab Code: B2415207
Date Received: 08-09-24
Date Analyzed: 08-12-24
Date Reported: 08-12-24

Project: 328.24001, Normandy, 1155 Ellis St. SF, CA

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
RP-6-1 B2415207.16	Roof Patch	Homogeneous Black Fibrous Bound	15%	Cellulose	85%	Tar	None Detected
RP-6-2 B2415207.17	Roof Patch	Homogeneous Black Fibrous Bound	15%	Cellulose	85%	Tar	None Detected
TG-7-1 Layer 1 B2415207.18	Tile Underlayment	Heterogeneous Off-white, Cream Non-fibrous Bound	5%	Cellulose	35%	Vermiculite Calc Carb	2% Chrysotile
No grout present in sample.							
Layer 2 B2415207.18	Mud	Heterogeneous Off-white, Cream Non-fibrous Bound	<1%	Cellulose	5%	Paint Calc Carb Binder	None Detected
CT-8-1 B2415207.19	Ceiling Tile	Heterogeneous Off-white, Gray Fibrous Bound	5% 60% 30%	Cellulose Fiberglass Mineral Wool	5%	Paint	None Detected
WT-9-1 B2415207.20	Texture	Heterogeneous Off-white, White Non-fibrous Bound	<1%	Cellulose	5%	Paint Calc Carb Binder	2% Chrysotile
WT-9-2 B2415207.21	Tape	Heterogeneous Off-white, Brown Fibrous Bound	85%	Cellulose	15%	Paint	None Detected

No texture present

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Essel Environmental
 2420 Martin Road, Suite 150
 Fairfield, CA 94534

Lab Code: B2415207
Date Received: 08-09-24
Date Analyzed: 08-12-24
Date Reported: 08-12-24

Project: 328.24001, Normandy, 1155 Ellis St. SF, CA

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous	Non-Fibrous			
WT-9-3 B2415207.22	Texture	Heterogeneous Off-white, White Non-fibrous Bound	<1%	Cellulose	5%	Paint Calc Carb Binder	2% Chrysotile
WT-9-4 B2415207.23	Texture	Heterogeneous Off-white, White Non-fibrous Bound	<1%	Cellulose	5%	Paint Calc Carb Binder	2% Chrysotile
WT-9-5 B2415207.24	Texture	Heterogeneous Off-white, White Non-fibrous Bound	<1%	Cellulose	5%	Paint Calc Carb Binder	2% Chrysotile
WT-9-6 B2415207.25	Texture	Heterogeneous Off-white, White Non-fibrous Bound	<1%	Cellulose	5%	Paint Calc Carb Binder	2% Chrysotile
WT-9-7 B2415207.26	Texture	Heterogeneous Off-white, White Non-fibrous Bound	<1%	Cellulose	5%	Paint Calc Carb Binder	2% Chrysotile
JC-10-1 Layer 1 B2415207.27	Joint Compound	Heterogeneous Off-white, White Non-fibrous Bound	<1%	Cellulose	35%	Calc Carb Binder	2% Chrysotile
Layer 2 B2415207.27	Drywall	Heterogeneous Off-white, Brown Fibrous Bound	20%	Cellulose	80%	Gypsum	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Essel Environmental
 2420 Martin Road, Suite 150
 Fairfield, CA 94534

Lab Code: B2415207
Date Received: 08-09-24
Date Analyzed: 08-12-24
Date Reported: 08-12-24

Project: 328.24001, Normandy, 1155 Ellis St. SF, CA

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
Layer 3 B2415207.27	Drywall/Joint Compound (Composite)	Heterogeneous Off-white,Brown Fibrous Bound	20%	Cellulose	70%	Gypsum	<1% Chrysotile
					10%	Calc Carb	
2% Chrysotile in joint compound only; <1% overall							
JC-10-2 Layer 1 B2415207.28	Joint Compound	Heterogeneous Off-white,White Non-fibrous Bound	<1%	Cellulose	35%	Calc Carb	2% Chrysotile
					63%	Binder	
Layer 2 B2415207.28	Drywall	Heterogeneous Off-white,Brown Fibrous Bound	20%	Cellulose	80%	Gypsum	None Detected
Layer 3 B2415207.28	Drywall/Joint Compound (Composite)	Heterogeneous Off-white,Brown Fibrous Bound	20%	Cellulose	70%	Gypsum	<1% Chrysotile
					10%	Calc Carb	
2% Chrysotile in joint compound only; <1% overall							
JC-10-3 B2415207.29	Drywall	Heterogeneous Off-white,Brown Fibrous Bound	20%	Cellulose	75%	Gypsum	None Detected
			5%	Fiberglass			
No joint compound present in sample							
JC-10-4 Layer 1 B2415207.30	Joint Compound	Heterogeneous Off-white,White Non-fibrous Bound	<1%	Cellulose	35%	Calc Carb	2% Chrysotile
					63%	Binder	
Layer 2 B2415207.30	Drywall	Heterogeneous Off-white,Brown Fibrous Bound	20%	Cellulose	80%	Gypsum	None Detected



CEI

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Essel Environmental
 2420 Martin Road, Suite 150
 Fairfield, CA 94534

Lab Code: B2415207
Date Received: 08-09-24
Date Analyzed: 08-12-24
Date Reported: 08-12-24

Project: 328.24001, Normandy, 1155 Ellis St. SF, CA

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
Layer 3 B2415207.30	Drywall/Joint Compound (Composite)	Heterogeneous Off-white,Brown Fibrous Bound	20%	Cellulose	70%	Gypsum 10% Calc Carb	<1% Chrysotile
2% Chrysotile in joint compound only; <1% overall							
JC-10-5 Layer 1 B2415207.31	Joint Compound	Heterogeneous Off-white,White Non-fibrous Bound	<1%	Cellulose	35%	Calc Carb 63% Binder	2% Chrysotile
Layer 2 B2415207.31	Drywall	Heterogeneous Off-white,Brown Fibrous Bound	20%	Cellulose	80%	Gypsum	None Detected
Layer 3 B2415207.31	Drywall/Joint Compound (Composite)	Heterogeneous Off-white,Brown Fibrous Bound	20%	Cellulose	70%	Gypsum 10% Calc Carb	<1% Chrysotile
2% Chrysotile in joint compound only; <1% overall							
JC10-6 Layer 1 B2415207.32	Joint Compound	Heterogeneous Off-white,White Non-fibrous Bound	<1%	Cellulose	35%	Calc Carb 63% Binder	2% Chrysotile
Layer 2 B2415207.32	Drywall	Heterogeneous Off-white,Brown Fibrous Bound	20%	Cellulose	80%	Gypsum	None Detected
Layer 3 B2415207.32	Drywall/Joint Compound (Composite)	Heterogeneous Off-white,Brown Fibrous Bound	20%	Cellulose	70%	Gypsum 10% Calc Carb	<1% Chrysotile
2% Chrysotile in joint compound only; <1% overall							

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Essel Environmental
 2420 Martin Road, Suite 150
 Fairfield, CA 94534

Lab Code: B2415207
Date Received: 08-09-24
Date Analyzed: 08-12-24
Date Reported: 08-12-24

Project: 328.24001, Normandy, 1155 Ellis St. SF, CA

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
JC10-7 Layer 1 B2415207.33	Joint Compound	Heterogeneous	<1%	Cellulose	35%	Calc Carb	2% Chrysotile
		Off-white, White Non-fibrous Bound			63%	Binder	
Layer 2 B2415207.33	Drywall	Heterogeneous Off-white, Brown Fibrous Bound	20%	Cellulose	80%	Gypsum	None Detected
Layer 3 B2415207.33	Drywall/Joint Compound (Composite)	Heterogeneous	20%	Cellulose	70%	Gypsum	<1% Chrysotile
		Off-white, Brown Fibrous Bound			10%	Calc Carb	
2% Chrysotile in joint compound only; <1% overall							
SA-11-1 B2415207.34	Acoustic Spray	Heterogeneous	<1%	Cellulose	20%	Perlite	2% Chrysotile
		Off-white, White Non-fibrous Bound			15%	Vermiculite	
SA-11-2 B2415207.35	Acoustic Spray	Heterogeneous	<1%	Cellulose	20%	Perlite	2% Chrysotile
		Off-white, White Non-fibrous Bound			15%	Vermiculite	
SA-11-3 B2415207.36	Acoustic Spray	Heterogeneous	<1%	Cellulose	20%	Perlite	2% Chrysotile
		Off-white, White Non-fibrous Bound			15%	Vermiculite	
SA-11-4 B2415207.37	Acoustic Spray	Heterogeneous	<1%	Cellulose	20%	Perlite	2% Chrysotile
		Off-white, White Non-fibrous Bound			15%	Vermiculite	
					63%	Calc Carb	

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Essel Environmental
 2420 Martin Road, Suite 150
 Fairfield, CA 94534

Lab Code: B2415207
Date Received: 08-09-24
Date Analyzed: 08-12-24
Date Reported: 08-12-24

Project: 328.24001, Normandy, 1155 Ellis St. SF, CA

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous	Non-Fibrous			
SA-11-5 B2415207.38	Acoustic Spray	Heterogeneous	<1%	Cellulose	20%	Perlite	2% Chrysotile
		Off-white, White			15%	Vermiculite	
		Non-fibrous			63%	Calc Carb	
		Bound					
SA-11-6 B2415207.39	Acoustic Spray	Heterogeneous	<1%	Cellulose	20%	Perlite	2% Chrysotile
		Off-white, White			15%	Vermiculite	
		Non-fibrous			63%	Calc Carb	
		Bound					
SA-11-7 B2415207.40	Acoustic Spray	Heterogeneous	<1%	Cellulose	20%	Perlite	2% Chrysotile
		Off-white, White			15%	Vermiculite	
		Non-fibrous			63%	Calc Carb	
		Bound					
PE-12-1 B2415207.41	Pipe Elbows	Heterogeneous	<1%	Cellulose	47%	Binder	3% Chrysotile
		Off-white, White	10%	Fiberglass	10%	Silicates	
		Fibrous	10%	Mineral Wool	20%	Calc Carb	
		Bound					
PE-12-2 B2415207.42	Pipe Elbows	Heterogeneous	<1%	Cellulose	47%	Binder	3% Chrysotile
		Off-white, White	10%	Fiberglass	10%	Silicates	
		Fibrous	10%	Mineral Wool	20%	Calc Carb	
		Bound					
PE-12-3 B2415207.43	Pipe Elbows	Heterogeneous	<1%	Cellulose	47%	Binder	3% Chrysotile
		Off-white, White	10%	Fiberglass	10%	Silicates	
		Fibrous	10%	Mineral Wool	20%	Calc Carb	
		Bound					

LEGEND: Non-Anth = Non-Asbestiform Anthophyllite
 Non-Trem = Non-Asbestiform Tremolite
 Calc Carb = Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: <1% by visual estimation

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

REGULATORY LIMIT: >1% by weight

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


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

Information provided by customer includes customer sample ID and sample description.

ANALYST: _____


Santi Nicolella

APPROVED BY: _____


Tianbao Bai, Ph.D., CIH
Laboratory Director



B2415207

43



Turn Around Time: 48 HOURS

EsSEL Environmental & Emergency Response
2420 Martin Road, Suite 150
Fairfield, CA 94534
Phone: 1-800-595-7616

Send results via: Results@esseltex.com

Chain of Custody Form
Asbestos / Lead / Mold Bulk Sampling

PCM STANDARD

Project No: 328.24061	Date: 8/7/24	Client Name:
Laboratory Submitted To: EUROFINS		
Relinquished By: CCY	Date:	Time:
Print Name: CHRIS YAMI		Project Name:
Received By:	Date:	Time:
Print Name:		Project Location:

Homogeneous Group	Sample Number	Material description	Sample Location	Condition Friability	Quantity
	FA-1-1	9x9 RED, YELLOW MASTIC	STAIRS		2,700 SF
	FA-1-2				
	ES 2.1	EXTERIOR STUCCO	NW		4000 SF
	2		NW		
	3		SW	eurofins	
	4		W CENTER	CF	819 9:10
	5		SE		
	6		E CTR		
	7		NE		
	FA 3-1	9x9 BLACK, BLACK MASTIC	A 210		10,800 SF
	FA 3-2		A 210	eurofins	

Sampled by: CCY

Sample Date(s): 8/6/24

CEI RECEIVED BY: [Signature]

Comments:

7778 4978 1478

08/09/24 10:50
10:50

CEI, INC
SAMPLES ACCEPTED



Turn Around Time: 48 Hours

Essel Environmental & Emergency Response
 2420 Martin Road, Suite 150
 Fairfield, CA 94534
 Phone: 1-800-595-7616

Send results via: Results@esseltex.com

Chain of Custody Form

Asbestos / Lead / Mold Bulk Sampling

TLM

Project No: 328, 24001	Date: 8/7/24	Client Name:
Laboratory Submitted To:		
Relinquished By: <i>CCY</i>	Date:	Time:
Print Name: CHRIS YANA		Project Name: NORMANDY
Received By:	Date:	Time:
Print Name:		Project Location: 1155 ELLIS ST SE, CA

Homogeneous Group	Sample Number	Material description	Sample Location	Condition Friability	Quantity
	RC-4-1	BLACK FOILED ROOFING	ROOF CENTER		20,700 SF
	RC-4-2	"	EAST CENTER		
	AS 5-1	RED ASPHALT SHINGLES	SLOPED ROOF		15,600 SF
	AS 5-2	"	"		
	RP 6-1	ROOF PATCH	ROOF PENETRATIONS		950 SF
	RP 6-2	"			
	TG 7-1	TILE GROUT + UNDERLAYMENT	BATHROOMS		17,280 SF
CT	8-1	2X4 CEILING-TILE	LAUNDRY + OFFICES		1,240 SF
	WT 9-1	WALL TEXTURE ON DRYWALL	A ZIO / THROUGHOUT		185,400 SF
	9-2	↓	↓		
	9-3	↓	↓		

22 ↓

Sampled by:

Sample Date(s):

Comments:



Turn Around Time: 48 HOURS

Essel Environmental & Emergency Response
 2420 Martin Road, Suite 150
 Fairfield, CA 94534
 Phone: 1-800-595-7616

Send results via: Results@esseltok.com

Chain of Custody Form
 Asbestos / Lead / Mold Bulk Sampling

PLM

Project No: 328,2481	Date: 8/7/24	Client Name:
Laboratory Submitted To:		
Relinquished By: CLK	Date:	Time:
Print Name: CHRIS YAMA		Project Name: NORMANDY
Received By:	Date:	Time:
Print Name:		Project Location: 1155 ELLIS ST SF, CA

Homogeneous Group	Sample Number	Material description	Sample Location	Condition Friability	Quantity
	WT 9-4	WALL TEXT ON DRYWALL	AZIO / THROUGHOUT BLDG		
	↓ 9-5	↓	↓		
	↓ 9-6	↓	↓		
	↓ 9-7	↓	↓		
	JC 10-1	DRYWALL + JOINT COMPOUND	AZIO		310.708 SF
	↓ 2		WEST MECH RM		
	↓ 3		" " "		
	↓ 4		EAST " "		
	↓ 5		" " "		
	↓ 6		LAUNDRY		
	↓ 7		W. MECH RM		

Sampled by: CLK

Sample Date(s): 8/6/24

Comments:



Turn Around Time: 48 HOURS

Send results via: Results@esseltok.com

Essel Environmental & Emergency Response
 2420 Martin Road, Suite 150
 Fairfield, CA 94534
 Phone: 1-800-595-7616

Chain of Custody Form
 Asbestos / Lead / Mold Bulk Sampling

PUM

Project No: 328,24001 Date: 8/7/24 Client Name:

Laboratory Submitted To: Date: 8/7/24 Time: Project Name: NORMANDY

Relinquished By: CLKY Date: 8/7/24 Time: Project Location: 1155 ELLIS ST
 SF, CA

Print Name: CHRIS YAMA Date: Time: Project Location: 1155 ELLIS ST
 SF, CA

Homogeneous Group	Sample Number	Material description	Sample Location	Condition Friability	Quantity
SA	SA 11-1	ACOUSTIC SPRAY	1155 LOBBY		61,200
	2	↓	"		61,200
	3	↓	"		
	4	↓	A 210		
	5	↓			
	6	↓			
	7	↓			
	PE 12-1	PIPE ELBOWS	WEST MECH RM		200 EACH
	PE 12-2				
	PE 12-3				

SF

43 J

Sampled by:

Sample Date(s):

Comments:

Client: Essel Environmental
2420 Martin Road, Suite 150
Fairfield, CA 94534

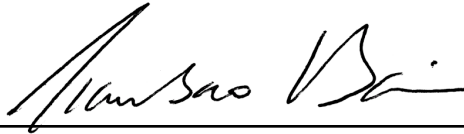
Lab Code: L240769A
Received: 08-09-24
Analyzed: 08-13-24
Reported: 08-14-24

Project: 328.24001, Normandy Apts., 1155 Ellis St., SF,
CA

METHOD: EPA SW846 7000B

CLIENT ID	LAB ID	PPM (µg/g)	CONCENTRATION % BY WEIGHT
PT-4	L04504	<22	<0.0022

Reviewed By:



Tianbao Bai, Ph.D.
Laboratory Director

This method has been validated for sample weights of 0.020g or greater. When samples with a weight of less than that are analyzed those results fall outside of the scope of accreditations.

*** The analysis of composite wipe samples as a single samples is not included under AIHA accreditation**

Minimum reporting limit is 10 µg total lead. Sample results denoted with a "less than" (<) sign contain less than 10.0 µg total lead, based on a 40ml sample volume.

Lead samples are not analyzed by Eurofins CEI Lead samples are submitted to an AIHA ELLAP accredited laboratory for lead analysis of soil, dust, paint, and TCLP samples.

Laboratory results represent the analysis of samples as submitted by the client. Information regarding sample location, description, area, volume, etc., was provided by the client. Unless notified in writing to return samples, Eurofins CEI discards client samples after 30 days. This report shall not be reproduced, except in full, without the written consent of Eurofins CEI.

Information provided by customer includes customer sample ID, location, volume and area as well as date and time of sampling.

REGULATORY LIMITS

OSHA Standard: No safe limit.
Consumer Products Safety Standard: Greater than 0.009% lead by weight.
Federal Lead Standard / HUD: 0.5% lead by weight.

LEGEND

µg = microgram
ml = milliliter
ppm = parts per million
Pb = lead
g = grams
wt = weight

End of Report

LABORATORY REPORT
LEAD IN PAINT

Client: Essel Environmental
2420 Martin Road, Suite 150
Fairfield, CA 94534

Lab Code: L240769
Received: 08-09-24
Analyzed: 08-13-24
Reported: 08-13-24

Project: 328.24001, Normandy Apts., 1155 Ellis St., SF,
CA

METHOD: EPA SW846 7000B

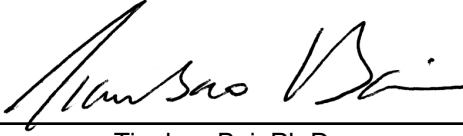
CLIENT ID	LAB ID	PPM (µg/g)	CONCENTRATION % BY WEIGHT
PT-1	L04501	<58.9	<0.00589
PT-2	L04502	3050	0.305
PT-3	L04503	6100	0.610
PT-5	L04505	251	0.0251
PT-6	L04506	<61.3	<0.00613
PT-7	L04507	<60.7	<0.00607

Lab Code: L240769

METHOD: EPA SW846 7000B

CLIENT ID	LAB ID	PPM (µg/g)	CONCENTRATION % BY WEIGHT
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Reviewed By:



Tianbao Bai, Ph.D.
Laboratory Director

This method has been validated for sample weights of 0.25g or greater. When samples with a weight of less than that are analyzed those results fall outside of the scope of accreditations.

*** The analysis of composite wipe samples as a single samples is not included under AIHA LAP, LLC accreditation.**

Minimum reporting limit is 13.7 µg total lead. Sample results denoted with a "less than" (<) sign contain less than 13.7 µg total lead, based on a 50ml sample volume.

Lead samples are analyzed by Eurofins CEI, an AIHA LAP, LLC ELLAP accredited laboratory (AIHA Lab ID: LAP-290960) for lead analysis of air, soil, wipes, and paint samples.

Laboratory results represent the analysis of samples as submitted by the client. Information regarding sample location, description, area, volume, etc., was provided by the client. Unless notified in writing to return samples, Eurofins CEI discards client samples after 30 days. This report shall not be reproduced, except in full, without the written consent of Eurofins CEI.

Information provided by customer includes customer sample ID, location, volume and area as well as date and time of sampling.

REGULATORY LIMITS

OSHA Standard: No safe limit.
Consumer Products Safety Standard: Greater than 0.009% lead by weight.
Federal Lead Standard / HUD: 0.5% lead by weight.

LEGEND

µg = microgram
ml = milliliter

ppm = parts per million
Pb = lead

g = grams
wt = weight

End of Report



Turn Around Time: 48 HOURS

Send results via: Results@esseltok.com

L240769
L4501 - L4507
L4508 - L4510

Essel Environmental & Emergency Response
2420 Marin Road, Suite 150
Fairfield, CA 94534
Phone: 1-800-595-7616

9

Chain of Custody Form

LEAD IN PAINT

Asbestos (Lead) / Mold Bulk Sampling

Project No: 328.2480	Date: 8/7/24	Client Name:
Laboratory Submitted To: EUROFINS		
Relinquished By: <i>CLY</i>	Date:	Time:
Print Name: CHRIS YAMA		Project Name: NORMANDY APTS.
Received By:	Date:	Time:
Print Name:		Project Location: 1155 ELLIS ST SF, CA

Homogeneous Group	Sample Number	Material description	Sample Location	Condition Friability	Quantity
	PT-1	BLUE, TAN, WHITE, GREEN & PURPLE ON EXT WALLS & TRIM	EXT	FAIR	15 SF L+P
	PT-2	BLACK & TAN ON EXT ROOF TRIM	ROOF	POOR	200 SF L+P
	PT-3	WHITE ON CARPORT DOOR	EXT	POOR	200 SF L+P
	PT-4	WHITE CERAMIC TILE	BATHS	GOOD	17,280 SF
	PT-5	BROWN & WHITE ON INT. TRIM		GOOD	900 SF L+P
	PT-6	WHITE / BEIGE ON DRYWALL		INTACT	
	PT-7	PURPLE, GREY & RED ON EXT		INTACT	
EUROFINS CEI, INC SAMPLES ACCEPTED			eurofins CEI RECEIVED BY: <i>CF 8/9 9:10</i>		

49000 SF TOTAL

Sampled by: *CLY* Sample Date(s): 8/7/24
 Comments: Relinquished by: *CV 08/09 5:00 pm*
 RECEIVED By: *CF* Date: 8/12/24
 NOTE: ASSUMED LEAD ON STRUCTURAL STEEL

7778 4978 1473