Hazardous Material Survey

City Hall Administration & Planning Building
39040 Hawthorne Boulevard
Rancho Palos Verdes, California

PREPARED FOR
Ms. Sara Singer
City of Rancho Palos Verdes
30940 Hawthorne Boulevard
Rancho Palos Verdes, California 90275

PSI Project # 0588313-1

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Date: September 10, 2010

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SECTION 1

Executive Summary

GENERAL INFORMATION

Professional Service Industries, Inc. (PSI) was retained by Ms. Sara Singer, of The City of Palos Verdes to conduct a Hazardous Material Survey to identify asbestos, lead based paint (LBP), lead ceramic tile and waste stream analysis within the Rancho Palos Verdes City Hall building located at 30940 Hawthorne Blvd, Rancho Palos Verdes, California 90275. In addition, PSI noted PCB light ballasts, mercury switches, fluorescent light bulbs and refrigerant gases as part of the survey. The survey was performed by David Gengenbacher Certified Asbestos Consultant (CAC) and California Department of Health (CDPH) Lead Inspector Assessor and Andrew Hoyer (CAC) and CDPH Project Monitor. PSI understands that the site is scheduled for renovation.

AUTHORIZATION

Authorization to perform this survey was provided by Carla Morreale of the City of Rancho Palos Verdes in the form of an executed Proposal, dated August 11, 2010.

SUMMARY OF FINDINGS

The surveyed area consisted of the 17,530 square foot City Hall Administration Building and an adjacent 4,604 square foot Planning Building. In general terms, the City Hall Building interior walls were finished with drywall or were exposed concrete block. The ceilings were finished with 2' x 4' lay in ceiling tile or suspended drywall sub-ceilings with concrete decking above the ceilings finishes. The floor was concrete and was finished with carpet, floor sheeting, or ceramic tile. The roof is built up asphalt. No suspect spray-applied surfacing material or pipe thermal system insulation (TSI) was observed in the building.

The Planning Building interior walls were finished with drywall or were exposed concrete block. The ceilings were finished with 2' x 4' lay in ceiling tile or suspended drywall sub-ceilings with concrete decking above the ceiling. The floor was concrete and was finished with carpet, floor sheeting, or ceramic tile. The roof is built up asphalt. No suspect spray-applied surfacing material or pipe TSI was observed in the building.

The asbestos survey was conducted on August 20, 2010. The Suspect ACM sampled during the City Hall survey included: drywall with joint compound, floor tile, floor sheeting, ceiling tile, stair tread, cove base, spray applied plaster, exterior dash coat, penetration mastic, HVAC duct mastic, built up roof, penetration mastic, and roof flashing. Asbestos was detected in the 12" x 12" white floor tile with black mastic located underneath carpet throughout, 12" x 12" green floor tile located in the southwest lobby, exterior stucco walls, and black mastic at the roof penetrations.

The Suspect ACM sampled during the Planning Building survey included: floor tile, cove base, ceiling panels, drywall with joint compound, carpet glue and mastic, built up roof, penetration mastic, and asphalt roof shingles. Asbestos was detected in the green, red, and tan floor tile with black mastic located underneath carpet throughout, and brown floor tile located in the center office under tan and red floor tiles and carpet.

The scope of work included evaluating painted interior and exterior finishes for lead. The survey included the sampling of loose and flaky paint and the quantification of the area square footage of loose and flaky paint/damaged paint. Lead was indentified in all sampled surfaces within the City Hall building and 5 of the 9 coatings sampled in the Planning Building. The survey was performed on August 20, 2010 by David Gengenbacher a California Department of Public Health Lead Inspector/Assessor.

A summary of survey results is listed in Section 2 / Results Summary.

The white 3" x 3" ceramic tile in restroom and janitors closet walls of the Planning Building was tested and found to contain lead. This material should be removed by an abatement contractor prior to renovation or demolition to this space.

A summary of laboratory result(s) information is listed in Section 2 / Results Inventory Summary.

Light ballasts and fluorescent light bulbs were also identified during this survey in both the City Hall and the Planning Building. A summary of lab result and inventory for disposal information is listed in Section 2 / Results Summary. Mercury switches were not identified in either building.

In addition five (5) air conditioning units were identified on the roof of the City Hall building containing refrigerant gas. The Planning Building has one (1) roof top air conditioning unit.

This report has been prepared for the exclusive use of The City of Palos Verdes and the affiliates thereof.

SECTION 2

Results / Inventory Summary

ACM SURVEY RESULTS

ACM was identified in both of the subject buildings. A material is considered by the Environmental Protection Agency (EPA) to be asbestos-containing if at least one sample collected from an area shows asbestos present in an amount greater than one percent (1%). In the State of California, the Department of Occupational Safety and Health considers a material to be asbestos-containing construction material (ACCM) if at least one sample collected from the area shows asbestos present in an amount greater than one-tenth of one percent (>0.1%). Specific removal and contractor licensing requirements apply if either ACM or ACCM will be disturbed.

The following homogeneous building material types were sampled as part of this survey and their results are summarized in the table below:

ACM SURVEY RESULTS

CITY HALL

MTL #	MATERIAL DESCRIPTION	LOCATION	F/NF[1]	COND.[2]	% ACM	# SAMPLES	QUANTITY
1	Drywall Wall with Joint Compound	Interior Walls throughout the building	NF	Good	DW-ND JC-ND	3	8,000 SF
2	12" x 12" Tan Floor Tile and Black Mastic	1st and 2nd Floor Restrooms & East Stairwell Landings	NF	Good	FT-ND M-ND	3	500 SF
3	Pebble Floor Sheeting with Glue	Kitchenette 2nd Floor	NF	Good	FS-ND G-ND	3	250 SF
4	**12" x 12" White Floor Tile with Black Mastic**	**Underneath carpet throughout**	**NF**	**Good**	**FT-2% CH M-4% CH**	**3**	**15,000 SF**
5	2' x 4' Fissured Ceiling Tile	Ceilings throughout	F	Good	ND	3	15,000 SF
6	Brown Stair Tread	East Stairwell	NF	Good	ST-ND M-ND	3	150 SF
7	4" Brown, Black, and Gray Cove Base and Brown Mastic	Base of interior walls throughout	NF	Good	CB-ND M-ND	3	15,000 SF
8	12" x 12" Cream Floor Tile with Glue	2nd Floor ADA Restroom	NF	Good	FT-ND G-ND	3	150 SF
9	**12" x 12" Green Floor Tile with Black Mastic**	**Southwest Lobby**	**NF**	**Good**	**FT-2% CH M-4% CH**	**3**	**100 SF**
10	Tan Floor Sheeting with Glue	2nd Floor Break Room	NF	Good	FS-ND G-ND	3	250 SF
11	Spray Applied Plaster	Exterior Walls of Elevator Addition	NF	Good	ND	3	500 SF
12	**Exterior Dash Coat**	**Exterior Window Frames**	**NF**	**Good**	Layer 1-ND **Layer 2-4% CH**	**3**	**1,000 SF**
13	**Penetration Mastic**	**Roof & Ground A/C Units**	**NF**	**Good**	**5% CH**	**3**	**10 SF**
14	Gray HVAC Duct Mastic	HVAC Duct Work on Ground Unit West of Building	NF	Good	ND	3	10 SF
15	Gray HVAC Duct Mastic	HVAC Ductwork on Roof Unit	NF	Good	ND	3	15 SF

ACM SURVEY RESULTS

CITY HALL-continued

16	Roof Core	Throughout Roof	NF	Good	ND	3	8,500 SF
17	Roof Penetration Mastic	Roof Penetrations, Pads, & Patches	NF	Good	ND	3	100 SF
18	Roof Flashing	Utility Pads & Elevator Riser	NF	Good	ND	3	250 SF

[1] F = Friable; NF = Non-friable Friability is further defined in section 4.
[2] Cond. = Condition of Materials Either good, fair or poor.
DW= Drywall JC = Joint Compound CB = Cove Base G = Glue
FS=Floor Sheeting ST=Stair Tread CH=Chrysotile

ACM SURVEY RESULTS

PLANNING BUILDING

MTL #	MATERIAL DESCRIPTION	LOCATION	F/NF[1]	COND.[2]	% ACM	# SAMPLES	QUANTITY
1	**Green, Tan, and Red 12" x 12" Floor Tile and Black Mastic**	**Floors throughout under carpet**	**NF**	**Good**	**FT-4% CH M-5% CH**	**3**	**4,000 SF**
2	**9" x 9" Brown Floor Tile and Mastic**	**Center Office under Tan & Red Floor Tiles & Carpet**	**NF**	**Good**	**FT-5% CH M-ND**	**3**	**100 SF**
3	4" Brown and Black Cove Base with Brown Mastic	Base of Interior Walls	NF	Good	CB-ND M-ND	3	1,000 SF
4	2' x 4' Fissured Acoustic Ceiling Panels	Ceilings Throughout	F	Good	ND	3	4,000 SF
5	2' x 4' Dimpled Acoustic Ceiling Panels	Print Room Ceilings	F	Good	ND	3	130 SF
6	Drywall & Joint Compound	Interior Walls	NF	Good	DW-ND JC-ND	3	3,000 SF
7	Carpet Glue & Black Mastic	Carpet Glue & Black Mastic	NF	Good	CP-ND	3	80 SF
8	Asphalt Roofing Core (3 Layers) & Paper	Roof	NF	Good	Layer 1-ND Layer 2-ND Layer 3-ND	3	4,400 SF
9	Asphalt Roofing Core (2 Layers)	West portion of Arcade Roof	NF	Good	Layer 1-ND Layer 2-ND	3	650 SF
10	Penetration Mastic	Roof Penetrations & Patches	NF	Good	ND	3	50 SF
11	Penetration Mastic	Roof Penetrations, Patches, & Utility Pads	NF	Good	ND	3	20 SF
12	Asphalt Roof Shingles	Sloped Roof	NF	Good	ND	3	600 SF

[1] F = Friable; NF = Non-friable Friability is further defined in section 4.
[2] Cond. = Condition of Materials Either good, fair or poor.
DW= Drywall JC = Joint Compound CB = Cove Base G = Glue
CH=Chrysotile CP = Carpet

LEAD-CONTAINING MATERIALS RESULTS

Federal efforts to regulate Lead Based Paint (LBP) began with the enactment of the Lead-Based Paint Poison Prevention Act (LBPPPA) in 1971. In 1973, the Consumer Product Safety Commission (CPSC) defined lead-based paint as paint having lead content equal to or greater than 0.5 percent by weight in a dry film of newly applied paint. In 1978, the CPSC lowered the allowable lead levels in new paint to 0.06%. The Housing and Urban Development Agency (HUD) developed guidelines relating to HUD facilities. The HUD guidelines specified lead content of 0.5% as an action level in determining the need for corrective action. Federal and State Occupational Health and Safety Administration (Fed-OSHA 29 CFR 1920.1025 and California-OSHA and California-OSHA under Title 8 CCR 1532.1) do not define the amount of lead in paint to a regulatory requirement; rather the activities or task define when the regulation is in effect. Both Federal and State standards use the term "trigger task" activities. In the work place, employers must make certain assumptions of the exposure levels and comply with the regulations based on the level of disturbance rather than the lead level.

The following loose and flaky paint was sampled for lead content as part of this survey. Results are summarized in the tables below:

City Hall – Painted Loose and Flaky Locations

Material No.	Material Description	Location	Conditions	Result % Lead by Weight	Quantity
01	White Paint	Computer Server Room / North	Poor	0.032	10 SF
02	White Paint	Ceiling Concrete Decking / South	Poor	0.057	10,000 SF
03	Tan/White Paint	Concrete underside of Stairwell Southwest Lobby / Southwest	Poor	0.026	10 SF
04	Blue Paint	Exterior Fascia Trim / South	Poor	6.0	500 SF
05	White Paint	Exterior Wood Eaves	Poor	7.6	750 SF
06	Blue Paint	Metal Tower / Southwest	Poor	0.048	500 SF
07	Off-White Paint	Concrete Exterior Wall at Drip Line / West	Poor	0.017	500 SF

**Below analytical limit of detection*

Planning Building – Painted Loose and Flaky Locations

Material No.	Material Description	Location	Conditions	Result % Lead by Weight	Quantity
01	Blue Paint	Exterior Wood Siding Lobby Area	Poor	<0.0059*	500 SF
02	Pink Paint	Exterior Wood Window Frames on Lobby Area	Poor	<0.0058*	50 SF
03	Brown/White Paint	East Vent	Poor	<0.010*	20 SF
04	Blue/White Paint	Exterior Wood Fascia	Poor	8.5	350 SF
05	Gray/ Red Paint	Exterior Wood Eaves	Poor	6.2	500 SF
06	White/Green Paint	East Wall South	Fair	0.019	700 SF
07	Tan/Green Paint	Southwest Office South Wall	Good	0.019	200 SF
08	White/Green Paint	Server Room South Wall	Poor	<0.0060*	20 SF
09	Brown Paint	Northeast Post	Fair	<0.0058*	30 SF

**Below analytical limit of detection*

Lead was detected on various painted surfaces throughout the interior of the City Hall and Planning building. The City Hall and Planning Building contained high levels of lead at the exterior painted surfaces. Caution should be taken during demolition and renovation activities to prevent lead levels in generated airborne dust from painted surfaces from exceeding the Permissible Exposure Limit (PEL) as required by California/OSHA, Title 8, CCR Construction Safety Orders for Lead, Section 1532.1.

Title 17, California Code of Regulations (CCR), Division 1, Chapter 8: *Accreditation, Certification and Work Practices for Lead-Based Paint and Lead Hazards*, defines lead based paint as paint or other surfacing coating that contain an amount of lead equal to, or in excess of one milligram per square centimeter (1.0 mg/cm^2) or more than 0.5% by weight. The industry has interpreted this to mean that any detectable amount of lead is regulated. For example, employees who perform trigger tasks (such as manual demolition) are required to receive employer provided training, air monitoring, protective clothing, respirators, and hand washing facilities. In addition there are standard work practices required such as the use of wet methods and HEPA vacuums.

CERAMIC TILE TEST RESULTS

Ceramic tile samples were collected for laboratory analysis. The action level is 50 mg/kg of lead by weight when samples are collected and analyzed for Total Threshold Limit Concentration (TTLC). Results in excess of this level (but below 1000 mg/kg) must undergo the STLC California "Wet Test". Materials with results from the TTLC greater than 1000 mg/kg are considered hazardous waste.

A summary Table of Results for the Lead Ceramic Tile Characterization portion of the survey is in the following table.

CHARACTERIZATION SURVEY RESULTS

City Hall-Tile Results

Lead Stream Characterization Summary of Results		
Sample Location and Client Sample ID	***Component***	***Laboratory Results (lead) TTLC Lead Conc.*** Mg/kg
CT-CH-01	**Lobby Floor / Southeast**	**44 mg/kg**
CT-CH-02	**Lobby Walls / Southeast**	**41 mg/kg**

Planning Building-Tile Results

Lead Stream Characterization Summary of Results		
Sample Location and Client Sample ID	***Component***	***Laboratory Results (lead) TTLC Lead Conc.*** Mg/kg
CT-PLAN-01	**Kitchen Floor**	**18 mg/kg**
CT-PLAN-02	**Lobby Floor**	**17 mg/kg**
CT-PLAN-03	**Entry & Restrooms Floors**	**<8 mg/kg**
CT-PLAN -04	**Restroom & Janitors Closet Walls**	**2574 mg/kg**

OTHER HAZARDOUS MATERIAL'S INVENTORY

The purpose of the other hazardous materials visual survey was to note the presence, locations and quantities of PCB light ballasts, mercury switches, fluorescent light bulbs and refrigerant gases which require proper handling and disposal. The on-site hazardous materials visual survey of the subject site and its improvements recognized the existence of the following potential environmental concerns:

FLUORESCENT LIGHT BULBS / BALLASTS/ MERCURY SWITCHES/REFRIGERANT GAS INVENTORY

Building	Fluorescent Bulbs	Ballasts	PCB's Yes/No/Assumed	Mercury Switches	Refrigerant Gas
City Hall	308	154	No	No Mercury Switches	5 roof top air conditioning units 2 window units

Building	Fluorescent Bulbs	Ballasts	PCB's Yes/No/Assumed	Mercury Switches	Refrigerant Gas
Planning Building	216	108	No	No Mercury Switches	1 roof top air conditioning unit 1 window unit

FLUORESCENT LIGHT BULBS

Prior to demolition the removal of the fluorescent light bulbs should be performed with minimal breakage. The tubes will require proper packaging material, cardboard cartons for shipping. The fluorescent light bulbs should be sent to a recycler.

LIGHT BALLASTS

Approximately ten (10) percent of the Light Ballasts associated with fluorescent light fixture were observed during the site visit. No PCB ballasts were observed. The Non-PCB containing ballasts will require proper handling and transportation to a recycler due to metal content (i.e. lead).

MERCURY SWITCHES

No mercury were found at the time of our survey. The thermostat system was controlled by electronic switches.

REFRIGERANT GASES

Five (5) air conditioning units were identified on the roof of the City Hall building. The (5) roof top mounted air conditioning units contained 5lbs, 3.6 lbs, 6.1lbs, 8.5lbs, and 2.64 lbs of R-22 refrigerant gas. The City Hall building also contained two wall mount air conditioning with an unknown amount of refrigerant. One (1) air conditioning was identified on the roof of the Planning Building. The (1) roof top mounted air conditioning unit contained 5lbs of R-22 refrigerant. The Planning Building also contained one window mount unit.

SECTION 3

Warranty

PSI warrants that the findings contained herein have been prepared in general accordance with the standard of care exercised within the asbestos testing and abatement industries. PSI recognizes that raw laboratory test data is usually sufficient to make all abatement and management decisions.

The survey included inspection of reasonably accessible materials such as above or behind suspended ceilings or other non-permanent structures. PSI did not however inspect or sample inaccessible areas such as behind walls or within ductwork and PSI did not dismantle any part of the structure to survey inaccessible areas. Inaccessible is defined as areas of the building that could not be tested (sampled) without destruction of or damage to the structure or a portion of the structure.

The information contained in this report is based upon the data furnished by the Client and observations and test results provided by PSI. These observations and results are time dependent, are subject to changing site conditions, and revisions to Federal, State and local regulations.

PSI did not provide any service to investigate or detect the presence of moisture, mold or other biological contaminates in or around any structure, or any service that was designed or intended to prevent or lower the risk of the occurrence of the amplification of the same. Client acknowledges that mold is ubiquitous to the environment with mold amplification occurring when building materials are impacted by moisture. Client further acknowledges that site conditions are outside of PSI's control, and that mold amplification will likely occur, or continue to occur, in the presence of moisture. As such, PSI cannot and shall not be held responsible for the occurrence or recurrence of mold amplification.

No other warranties are implied or expressed.

Use By Third Parties
This report was prepared pursuant to the contract PSI has with the client. That contractual relationship included an exchange of information about the subject site that was unique and between PSI and its client and serves as the basis upon which this report was prepared. Because of the importance of the communication between PSI and its client, reliance or any use of this report by anyone other than the client, for whom it was prepared, is prohibited and therefore not foreseeable to PSI.

Reliance or use by any such third party without explicit authorization in the report does not make said third party a third party beneficiary to PSI's contract with the client. Any such unauthorized reliance on or use of this report, including any of its information or conclusions, will be at third party's risk. For the same reasons, no warranties or representations, expressed or implied in this report, are made to any such third party.

Unidentifiable Conditions
This report is necessarily limited to the conditions observed and to the information available at the time of the work. Due to the nature of the work, there is a possibility that conditions may exist, which could not be identified within the scope of work or which were not apparent at the time of our site work. This report is also limited to information available from the client at the time it was conducted. The report may not represent all conditions at the subject site as it only reflects the information gathered from specific locations.

SECTION 4

Methods

GENERAL ORGANIZATION

Before commencing the survey, Greg Archung spoke with Ms. Karen Gaerttner from Kimco Realty Corporation, to discuss the survey approach, the need for unrestricted access and construction related information issues such as building age as well as, prior construction activities.

ASBESTOS SURVEY METHODS

Inspection and sampling procedures were performed in accordance with the guidelines published by the Environmental Protection Agency (EPA) in 40 CFR Part 763 Subpart E, October 30, 1987. Sampling procedures include collection of at least 3 samples of all suspect friable and non-friable materials as recommended by EPA Guidance document 700/B-92/001, February 1992. An EPA accredited inspector performed the inspection and survey described below.

The survey consisted of three major activities: visual inspection, sampling, and quantification of building materials. Although these activities are listed separately, they are integrated tasks.

VISUAL INSPECTION

A visual inspection was conducted to determine the presence and condition of suspect materials, which were accessible and/or exposed which, could be disturbed during the commercial façade and signage improvement project. Materials, which were similar in general appearance, were grouped into homogeneous sampling areas.

- Homogeneous Material Classifications

  A visual inspection of the front façade of the building was conducted to determine areas of materials, which were visually similar in color, texture, general appearance, and which appeared to have been installed at the same time. Such materials are termed "homogeneous materials" by the EPA. During this inspection, the approximate locations of these homogeneous materials were also noted.

  Following the EPA inspection protocol, each identified suspect homogeneous material was placed in one of the following EPA classifications:

  1. **Surfacing Materials** (spray or trowel applied to building members)
  2. **Thermal System Insulation** (materials generally applied to various mechanical systems)
  3. **Miscellaneous Materials** (any materials which do not fit either of the above categories)

- Friability Classifications

  A regulated asbestos-containing material (RACM) as defined by National Emissions Standard for Hazardous Air Pollutants (NESHAP) is any (a) Friable asbestos material, (b) Category I non-friable ACM that has become friable, (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations.

Following the EPA inspection protocol, each identified suspect homogeneous material was placed in one of the following EPA classifications:

- **Friable Materials** NESHAP defines a friable ACM as any material containing more than one percent asbestos, that, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure.

- **Category I Non-friable** NESHAP defines a Category I non-friable ACM as packings, gaskets, resilient floor covering (except sheet flooring products which are considered friable), and asphalt roofing products which contain more than one percent asbestos.

- **Category II Non-friable** NESHAP defines a Category II non-friable ACM as any material, except for a Category I non-friable ACM, which contains more than one percent asbestos and cannot be reduced to a powder by hand pressure when dry.

SAMPLING PROCEDURES

Following the visual inspection, the inspector collected selected samples of accessible materials identified as suspect ACM.

EPA guidelines were used to determine the sampling protocol. Sampling locations were chosen to be representative of the homogeneous material.

Samples of surfacing material were collected in accordance with the EPA random sampling protocol outlined in the EPA publication, "Asbestos in Buildings: Simplified Sampling Scheme for Friable Surfacing Materials" (EPA 560/5-85-030a, October, 1985). While an effort was made to extract the samples from random areas, representative samples were taken preferentially from already damaged areas or areas, which were the least visible.

QUANTIFICATION

Quantities of accessible and/or exposed building materials, which were suspected of containing asbestos, were estimated. Taking approximate measurements in the field performed this estimation. Stucco and plaster materials were measured in square feet of surface area.

LABORATORY PROCEDURES

Method of Analysis

Analysis was performed at PSI's NVLAP accredited Laboratory in Pittsburgh, Pennsylvania. A chain-of-custody, documenting the possession of the samples from the time they were collected until they have been analyzed and stored, was submitted with the bulk samples. The original chain-of-custody accompanied the materials at all times. Custody documentation began at the time the sample was collected and a copy of the chain-of-custody record was retained by each transferor.

Analysis was performed by using the bulk sample for visual observation and slide preparation(s) for microscopic examination and identification. The samples were mounted on slides 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 same characteristics were used to identify the non-asbestos constituents.

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

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. This is a standard method of analysis in optical mineralogy and the currently accepted method for the determination of asbestos in bulk samples. A suspect material is immersed in a solution of known refractive index and subjected to illumination by polarized light. The characteristic color displays which result enable mineral identification.

It should be noted that some ACM may not be accurately identified and/or quantified by PLM. As an example, the original fabrication of vinyl floor tiles routinely involved milling of asbestos fibers to extremely small sizes. As a result, these fibers may go undetected under the standard polarized light microscopy method. Transmission Electron Microscopy (TEM) is recommended for a more definitive analysis of these materials.

For bulk samples which are found to contain <1% asbestos, Point Count Analysis as described by the method for the determination of asbestos in accordance with Environmental Protection Agency's (EPA) "Interim Method for Identification of Asbestos in Bulk Insulation Samples" (40 CFR 763, Appendix A, Subpart F), is often utilized. As part of this method, a bulk sample is reduced, in an effort to dissolve any non-asbestos constituents, such as calcite. As a result of this reduction process, a concentrated sample is then obtained and analyzed. A minimum number of counts for each sample is 400. The number of identified asbestos points is divided by 400, then multiplied by 100 in order to calculate the percentage. Each asbestos type is quantified individually.

Laboratory Quality Control Program

PSI laboratories maintain an in-house quality control program. This program involves blind reanalysis of ten percent of all samples, precision and accuracy controls, and use of standard bulk reference materials.

LEAD BASED PAINT SURVEY METHODS

The purpose of the lead based paint sampling/inspection was to determine if lead based paint would be impacted during the anticipated demolition of this structure. The City Hall and Planning buildings interior and exterior painted surfaces were found to be positive for lead based paint at various locations.

The assessment was generally conducted in four phases as follows:

- **Phase 1 – Initial Evaluation** – Drawings, floor plans, historical construction data and other documents provided to PSI or made available on site were evaluated for the general design and layout of the facility as well as to identify construction eras. Other documents such as maintenance records, operation logs, etc. provided to PSI or made available on site were also reviewed.

- **Phase 2 – Visual Observation** – A limited non-destructive visual evaluation of representative areas within the retail location was performed to look for testing combinations.

- **Phase 3 – Paint Chip Sampling**– was performed on areas of identified loose and flaky paint and submitted for laboratory analysis to determine the lead content.

- **Phase 4 – Project Report** – This report outlines the lead inspection findings based on the testing results and field observations. This report includes a discussion of sampling methodology, analytical methods, results, conclusions and options for lead hazard control.

CERAMIC TILE SURVEY METHODS

The purpose of the ceramic tile inspection was to determine the lead content for disposal purposes for the planned demolition. The results of the lead tile analysis are outlined in the Lead Stream Characterization table.

SECTION 5

Notices, Permits, and Licenses

If the ACM or lead identified in this report will be disturbed through future maintenance, renovation or demolition activities, they will be subject to the requirements set forth in all applicable local, state, and federal regulations.

The following notices, permits and licenses are necessary for abatement work as of the date of this report. The contractor is cautioned to verify these requirements as applicable to the final project scope and confirm that no new requirements exist.

LOCAL AIR QUALITY BOARD

Written notification is required to the South Coast Air Quality Management District at least 14 calendar days prior to beginning any work on friable or non-friable asbestos-containing materials. The EPA also enforces this requirement.

Written notification to the California Division of Occupational Safety and Health (DOSH) is required by OSHA Asbestos Regulations (Title 8, Section 341.9) at least 24 hours prior to beginning any work on asbestos-containing materials.

Prior to the abatement, all employees, contractors, or other parties who may be affected by the abatement must be advised of activities pursuant to DOSH Asbestos Regulations (Title 8, Section 1529, Subpart K).

PERMITS

Contractor must obtain all building and special permits required for the asbestos and lead abatement work.

LICENSES

Contractor must maintain current licenses as required by applicable state or local jurisdictions for the removal, transporting, disposal, or other regulated activity.

SECTION 6

Appendices

INSPECTOR CERTIFICATIONS

State of California
Division of Occupational Safety and Health

Certified Asbestos Consultant

David P Gengenbacher

Name

Certification No. **03-3299**

Expires on **05/22/11**

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 Department of Public Health
Lead-Related Construction Certificate
Certificate Type
Expiration Date
Inspector/Assessor
09/16/2010
12430
David P. Gengenbacher
ID #: 11087

State of California
Division of Occupational Safety and Health

Certified Asbestos Consultant

Andrew B Hoyer

Name

Certification No. **05-3837**

Expires on **07/21/11**

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 Department of Public Health
Lead-Related Construction Certificate
Certificate Type
Expiration Date
Project Monitor
10/11/2010
17855
Andrew B. Hoyer
ID #: 19586

Asbestos, Lead Paint Chip, Ceramic Tile, and Waste Characterization Lab Results and Chain of Custody

psi Information To Build On
Engineering • Consulting • Testing

REPORT OF BULK SAMPLE ANALYSIS FOR ASBESTOS

TESTED FOR: PSI, Inc
6330 Gateway Drive Suite B
Cypress, CA 90630
Attn: Greg Archung

Project ID: 0588313-1
City of Rancho Palos Verdes
City Hall
30940 Hawthorne Blvd.
Rancho Palos Verdes, CA

Date Received: 8/24/2010 **Date Completed:** 8/26/2010 **Date Reported:** 8/26/2010

Analyst: DA **Work Order:** 1008617

Client ID	Lab ID (Layer)	Sample Description (Color, Texture, Etc.) *Analyst's Comment*	Asbestos Content (Percent and Type)	Non-asbestos Fibers (Percent and Type)
1-CH-01	001A	(1) Gray, Drywall, Homogeneous	NO ASBESTOS DETECTED	3% Fibrous Glass 5% Cellulose Fiber
		(2) White, Joint Compound, Homogeneous	NO ASBESTOS DETECTED	None Reported
1-CH-02	002A	(1) Gray, Drywall, Homogeneous	NO ASBESTOS DETECTED	3% Fibrous Glass 5% Cellulose Fiber
		(2) White, Joint Compound, Homogeneous	NO ASBESTOS DETECTED	None Reported
1-CH-03	003A	(1) Gray, Drywall, Homogeneous	NO ASBESTOS DETECTED	3% Fibrous Glass 5% Cellulose Fiber
		(2) White, Joint Compound, Homogeneous	NO ASBESTOS DETECTED	None Reported
2-CH-04	004A	(1) Tan, Floor Tile, Homogeneous	NO ASBESTOS DETECTED	None Reported
		(2) Black, Mastic, Homogeneous	NO ASBESTOS DETECTED	None Reported
2-CH-05	005A	(1) Tan, Floor Tile, Homogeneous	NO ASBESTOS DETECTED	None Reported
		(2) Black, Mastic, Homogeneous	NO ASBESTOS DETECTED	None Reported
2-CH-06	006A	(1) Tan, Floor Tile, Homogeneous	NO ASBESTOS DETECTED	None Reported
		(2) Black, Mastic, Homogeneous	NO ASBESTOS DETECTED	None Reported
3-CH-07	007A	(1) White, Vinyl Sheeting, Homogeneous	NO ASBESTOS DETECTED	10% Cellulose Fiber
		(2) Beige, Glue, Homogeneous	NO ASBESTOS DETECTED	None Reported

Quantitation is based on a visual estimation of the relative area of bulk sample components, unless otherwise noted in the "Comments" section of this report. The results are valid only for the item tested. This report may not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Method used: E.P.A. Method for the Determination of Asbestos in Bulk Building Materials (EPA / 600/R-93/116 July 1993). Polarized Light Microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative Transmission Electron Microscopy is currently the only method that can be used to determine if the material can be considered or treated as non-asbestos containing. Samples will be disposed of within 30 days unless notified in writing by the client. No part of this report may reproduced, except in full, without written permission of the laboratory. The reporting limit is 1% by weight. NVLAP Lab Code 101350-0.

Respectfully submitted,
PSI, Inc.

Maureen L. Sammons

Approved Signatory
Maureen Sammons

Client ID	Lab ID (Layer)	Sample Description (Color, Texture, Etc.) *Analyst's Comment*	Asbestos Content (Percent and Type)	Non-asbestos Fibers (Percent and Type)
3-CH-08	008A	(1) White, Vinyl Sheeting, Homogeneous	NO ASBESTOS DETECTED	10% Cellulose Fiber
		(2) Beige, Glue, Homogeneous	NO ASBESTOS DETECTED	None Reported
3-CH-09	009A	(1) White, Vinyl Sheeting, Homogeneous	NO ASBESTOS DETECTED	10% Cellulose Fiber
		(2) Beige, Glue, Homogeneous	NO ASBESTOS DETECTED	None Reported
4-CH-10	010A	(1) White, Floor Tile, Homogeneous	2% Chrysotile	None Reported
		(2) Black, Mastic, Homogeneous	4% Chrysotile	None Reported
4-CH-11	011A	**Sample Not Tested**		
4-CH-12	012A	**Sample Not Tested**		
5-CH-13	013A	(1) Gray, Ceiling Tile, Homogeneous	NO ASBESTOS DETECTED	30% Cellulose Fiber 30% Fibrous Glass
5-CH-14	014A	(1) Gray, Ceiling Tile, Homogeneous	NO ASBESTOS DETECTED	30% Cellulose Fiber 30% Fibrous Glass
5-CH-15	015A	(1) Gray, Ceiling Tile, Homogeneous	NO ASBESTOS DETECTED	30% Cellulose Fiber 30% Fibrous Glass
6-CH-16	016A	(1) Brown, Stair Tread, Homogeneous	NO ASBESTOS DETECTED	None Reported
		(2) Black, Mastic, Homogeneous	NO ASBESTOS DETECTED	None Reported
6-CH-17	017A	(1) Brown, Stair Tread, Homogeneous	NO ASBESTOS DETECTED	None Reported
		(2) Black, Mastic, Homogeneous	NO ASBESTOS DETECTED	None Reported
6-CH-18	018A	(1) Brown, Stair Tread, Homogeneous	NO ASBESTOS DETECTED	None Reported
		(2) Black, Mastic, Homogeneous	NO ASBESTOS DETECTED	None Reported
7-CH-19	019A	(1) Black, Covebase, Homogeneous	NO ASBESTOS DETECTED	None Reported
		(2) Brown, Mastic, Homogeneous	NO ASBESTOS DETECTED	3% Talc
7-CH-20	020A	(1) Brown, Covebase, Homogeneous	NO ASBESTOS DETECTED	None Reported
		(2) Yellow, Mastic, Homogeneous	NO ASBESTOS DETECTED	None Reported
7-CH-21	021A	(1) Gray, Covebase, Homogeneous	NO ASBESTOS DETECTED	None Reported
		(2) Brown, Mastic, Homogeneous	NO ASBESTOS DETECTED	None Reported
8-CH-22	022A	(1) Cream, Floor Tile, Homogeneous	NO ASBESTOS DETECTED	None Reported
		(2) Yellow, Glue, Homogeneous	NO ASBESTOS DETECTED	None Reported

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Respectfully submitted,
PSI, Inc.

Maureen L. Sammons

Approved Signatory
Maureen Sammons

Client ID	Lab ID (Layer)	Sample Description (Color, Texture, Etc.) *Analyst's Comment*	Asbestos Content (Percent and Type)	Non-asbestos Fibers (Percent and Type)
8-CH-23	023A	(1) Cream, Floor Tile, Homogeneous	NO ASBESTOS DETECTED	None Reported
		(2) Yellow, Glue, Homogeneous	NO ASBESTOS DETECTED	None Reported
8-CH-24	024A	(1) Cream, Floor Tile, Homogeneous	NO ASBESTOS DETECTED	None Reported
		(2) Yellow, Glue, Homogeneous	NO ASBESTOS DETECTED	None Reported
9-CH-25	025A	(1) Green, Floor Tile, Homogeneous	2% Chrysotile	None Reported
		(2) Black, Mastic, Homogeneous	4% Chrysotile	None Reported
9-CH-26	026A	**Sample Not Tested**		
9-CH-27	027A	**Sample Not Tested**		
10-CH-28	028A	(1) Tan, Vinyl Sheeting, Homogeneous	NO ASBESTOS DETECTED	10% Cellulose Fiber
		(2) Yellow, Glue, Homogeneous	NO ASBESTOS DETECTED	None Reported
10-CH-29	029A	(1) Tan, Vinyl Sheeting, Homogeneous	NO ASBESTOS DETECTED	10% Cellulose Fiber
		(2) Yellow, Glue, Homogeneous	NO ASBESTOS DETECTED	None Reported
10-CH-30	030A	(1) Tan, Vinyl Sheeting, Homogeneous	NO ASBESTOS DETECTED	10% Cellulose Fiber
		(2) Yellow, Glue, Homogeneous	NO ASBESTOS DETECTED	None Reported
11-CH-31	031A	(1) Off-White, Plaster, Homogeneous	NO ASBESTOS DETECTED	None Reported
11-CH-32	032A	(1) Off-White, Plaster, Homogeneous	NO ASBESTOS DETECTED	None Reported
11-CH-33	033A	(1) Off-White, Plaster, Homogeneous	NO ASBESTOS DETECTED	None Reported
12-CH-34	034A	(1) White, Plaster, Homogeneous	NO ASBESTOS DETECTED	None Reported
		(2) Green, Plaster, Homogeneous	2% Chrysotile	None Reported
12-CH-35	035A	(1) White, Plaster, Homogeneous	NO ASBESTOS DETECTED	None Reported
		(2) Green, Plaster, Homogeneous	4% Chrysotile	None Reported
12-CH-36	036A	(1) White, Plaster, Homogeneous	NO ASBESTOS DETECTED	None Reported
		(2) Green, Plaster, Homogeneous	4% Chrysotile	None Reported
13-CH-37	037A	(1) Black, Mastic, Homogeneous	5% Chrysotile	None Reported
13-CH-38	038A	**Sample Not Tested**		
13-CH-39	039A	**Sample Not Tested**		
14-CH-40	040A	(1) Gray, Mastic, Homogeneous	NO ASBESTOS DETECTED	None Reported
14-CH-41	041A	(1) Gray, Mastic, Homogeneous	NO ASBESTOS DETECTED	None Reported

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Maureen L. Sammons

Approved Signatory
Maureen Sammons

Client ID	Lab ID (Layer)	Sample Description (Color, Texture, Etc.) *Analyst's Comment*	Asbestos Content (Percent and Type)	Non-asbestos Fibers (Percent and Type)
14-CH-42	042A	(1) Gray, Mastic, Homogeneous	NO ASBESTOS DETECTED	None Reported
15-CH-43	043A	(1) Gray, Mastic, Homogeneous	NO ASBESTOS DETECTED	6% Cellulose Fiber
15-CH-44	044A	(1) Gray, Mastic, Homogeneous	NO ASBESTOS DETECTED	6% Cellulose Fiber
15-CH-45	045A	(1) Gray, Mastic, Homogeneous	NO ASBESTOS DETECTED	6% Cellulose Fiber
16-CH-46	046A	(1) Black, Roof Core, Homogeneous	NO ASBESTOS DETECTED	15% Fibrous Glass
16-CH-47	047A	(1) Black, Roof Core, Homogeneous	NO ASBESTOS DETECTED	15% Fibrous Glass
16-CH-48	048A	(1) Black, Roof Core, Homogeneous	NO ASBESTOS DETECTED	15% Fibrous Glass
17-CH-49	049A	(1) Black, Mastic, Homogeneous	NO ASBESTOS DETECTED	8% Cellulose Fiber
17-CH-50	050A	(1) Black, Mastic, Homogeneous	NO ASBESTOS DETECTED	8% Cellulose Fiber
17-CH-51	051A	(1) Black, Mastic, Homogeneous	NO ASBESTOS DETECTED	8% Cellulose Fiber
18-CH-52	052A	(1) Black, Flashing, Homogeneous	NO ASBESTOS DETECTED	10% Fibrous Glass
18-CH-53	053A	(1) Black, Flashing, Homogeneous	NO ASBESTOS DETECTED	10% Fibrous Glass
18-CH-54	054A	(1) Black, Flashing, Homogeneous	NO ASBESTOS DETECTED	10% Fibrous Glass

Report Notes: **(PT) Point Count Results**

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Maureen L. Sammons

Approved Signatory
Maureen Sammons

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1008617 (5) Page 1 of 5

PSI Field Sample & Material Log
Chain Of Custody

Project Name (client): City of Rancho Palos Verdes Project #: 0588313-1 Building/Branch/Store #: City Hall (CH)

Inspector: David Gengenbacher & Andrew Hoyer Sample Date: 8-20-10 Address: 30940 Hawthorne Blvd, Rancho Palos Verdes, CA

Relinquished By: David Gengenbacher (Print) David Gengenbacher (Signature) 8.23.10 (Date)

Relinquished To: _____ (Print) M Cantley (Signature) 8/24/10 10:53AM (Date)

Group #	Sample Number	Material	Material Location	Sample Location	F/NF	Cond.	Qty.
1	CH-01	Drywall Wall with Joint Compound	Interior Walls	Office South	NF	Good	8,000 SF
↓	CH-02	↓	↓	Kitchenette Southeast	↓	↓	↓
↓	CH-03	↓	↓	Roof Access East	↓	↓	↓
2	CH-04	12" x 12" Tan Floor Tile and Black Mastic	1st & 2nd Floor Restrooms & East Stairwell Landings	Women's Restroom	NF	Good	500 SF
↓	CH-05	↓	↓	East Stairwell Lobby	↓	↓	↓
↓	CH-06	↓	↓	2nd Floor Men's Restroom	↓	↓	↓
3	CH-07	Pebble Floor Sheeting with Glue	Kitchenette 2nd Floor	East	NF	Good	250 SF.
↓	CH-08	↓	↓	North	↓	↓	↓
↓	CH-09	↓	↓	South	↓	↓	↓

Send Analysis Results to the Attention of Greg Archung & Andrew Hoyer

Analyze To First Positive _____ Analyze All Samples _____

Requested Turnaround Time: Standard Same Day ____ 24-Hour ____ 48-Hour ____ 3-5 Days

1008617

Project Name (client): City of Rancho Palos Verdes · Project #: 0588313-1 Building/Branch/Store #: City Hall (CH)

Address: 30940 Hawthorne Boulevard, Rancho Palos Verdes, CA 90275

Relinquished By: David Gergenbacher (Print) David Gergenbacher (Signature) 8-23-10 (Date)

Relinquished To: _____ (Print) MC (Signature) 8/24/10 10:53AM (Date)

Group #	Sample Number	Material	Material Location	Sample Location	F/NF	Cond.	Qty.
4	CH-10	12" x 12" White Floor Tile with Black Mastic	Floors Throughout underneath Carpet & CA	Server Room 2nd Floor	NF	Good	15,000 SF
↓	CH-11	↓	↓	Conference Closet	↓	↓	↓
↓	CH-12	↓	↓	Closet	↓	↓	↓
5	CH-13	2' x 4' Fissured Ceiling Tile	Ceilings Throughout	South Hallway	F	Good	15,000 SF
↓	CH-14	↓	↓	East Stairwell	↓	↓	↓
↓	CH-15	↓	↓	Roof Access Room	↓	↓	↓
6	CH-16	Brown Stair Tread	East Stairwell with a Hard Black Mastic?	East	NF	Good	150 SF
↓	CH-17	↓	↓	Southeast	↓	↓	↓
↓	CH-18	↓	↓	Northeast	↓	↓	↓
7	CH-19	Brown, Black, or Gray 4" Cove Base & Brown Mastic	Interior Walls	South Back Hallway	NF	Good	1,500 LF
↓	CH-20	↓	↓	2nd Floor Office North	↓	↓	↓
↓	CH-21	↓	↓	Ladies Restroom East	↓	↓	↓

1008617

Project Name (client): City of Rancho Palos Verdes Project #: 0588313-1 Building/Branch/Store #: City Hall (CH)

Address: 30940 Hawthorne Boulevard, Rancho Palos Verdes, CA 90275

Relinquished By: David Gergerbacher (Print) David Gergerbacher (Signature) 8.23.10 (Date)

Relinquished To: _____ (Print) MC (Signature) 8/24/10 10:53 AM (Date)

Group #	Sample Number	Material	Material Location	Sample Location	F/NF	Cond.	Qty.
8	CH-22	12" x 12" Cream Floor Tile with Glue	2nd Floor ADA Restroom	North	NF	Good	150 SF
↓	CH-23	↓	↓	East	↓	↓	↓
↓	CH-24	↓	↓	West	↓	↓	↓
9	CH-25	12" x 12" Green Floor Tile with Black Mastic	Southwest Lobby	South	NF	Good	100 SF
↓	CH-26	↓	↓	North	↓	↓	↓
↓	CH-27	↓	↓	East	↓	↓	↓
10	CH-28	Tan Floor Sheeting with Glue	2nd Floor Break Room	West	NF	Good	250 SF
↓	CH-29	↓	↓	East	↓	↓	↓
↓	CH-30	↓	↓	North	↓	↓	↓
11	CH-31	Spray Applied Plaster	Exterior Walls of Elevator Addition	West	NF	Good	500 SF
↓	CH-32	↓	↓	North (Roof)	↓	↓	↓
↓	CH-33	↓	↓	East	↓	↓	↓

1008617

Project Name (client): City of Rancho Palos Verdes Project #: 0588313-1 Building/Branch/Store #: City Hall (CH)

Address: 30940 Hawthorne Boulevard, Rancho Palos Verdes, CA 90275

Relinquished By: David Gergenbacher (Print) David Gergenbacher (Signature) 8.23.10 (Date)

Relinquished To: _____ (Print) MC (Signature) 8/24/10 10:53AM (Date)

Group #	Sample Number	Material	Material Location	Sample Location	F/NF	Cond.	Qty.
12	CH-34	Exterior Dash Coat	Exterior Window Frames	East	NF	Good	1,000 SF
↓	CH-35	↓	↓	Southeast	↓	↓	↓
↓	CH-36	↓	↓	North	↓	↓	↓
13	CH-37	Penetration Mastic	Roof & Ground A/C Units	Roof A/C Unit	NF	Good	10 SF
↓	CH-38	↓	↓	Ground A/C Unit	↓	↓	↓
↓	CH-39	↓	↓	Ground A/C Unit	↓	↓	↓
14	CH-40	Gray HVAC Duct Mastic	HVAC Duct Work on Ground Unit West of Building	North Duct	NF	Good	10 SF
↓	CH-41	↓	↓	Unit	↓	↓	↓
↓	CH-42	↓	↓	South Duct	↓	↓	↓
15	CH-43	Gray HVAC Duct Mastic	HVAC Duct Work on Roof Unit	East Duct	NF	Good	15 SF
↓	CH-44	↓	↓	Unit	↓	↓	↓
↓	CH-45	↓	↓	West Duct	↓	↓	↓

Page 5 of 5.

1008617

Project Name (client): City of Rancho Palos Verdes Project #: 0588313-1 Building/Branch/Store #: City Hall (CH)

Address: 30940 Hawthorne Boulevard, Rancho Palos Verdes, CA 90275

Relinquished By: David Gengenbacher (Print) David Gengenbacher (Signature) 8.23.10 (Date)

Relinquished To: _____ (Print) MC (Signature) 8/24/10 10:53AM (Date)

Group #	Sample Number	Material	Material Location	Sample Location	F/NF	Cond.	Qty.
16	CH-46	Roof Core	Roof	Northwest	NF	Good	8,500 SF
↓	CH-47	↓	↓	East	↓	↓	↓
↓	CH-48	↓	↓	Southwest	↓	↓	↓
17	CH-49	Roof Penetration Mastic	Roof Penetrations, Pads, & Patches	Southeast Vent Pipe	NF	Good	100 SF
↓	CH-50	↓		Roof Hatch Pad	↓	↓	↓
↓	CH-51	↓		West Vent Pipe	↓	↓	↓
18	CH-52	Roof Flashing	Utility Pads & Elevator Riser	Center HVAC Pad	NF	Good	250 SF
↓	CH-53	↓	↓	South Elevator Riser West	↓	↓	↓
↓	CH-54	↓	↓	South Elevator Riser North	↓	↓	↓

psi Information To Build On
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REPORT OF BULK SAMPLE ANALYSIS FOR ASBESTOS

TESTED FOR: PSI, Inc
6330 Gateway Drive Suite B
Cypress, CA 90630
Attn: Greg Archung

Project ID: 0588313-1
City of Rancho Palos Verdes
Planning Building
30940 Hawthorne Blvd.
Rancho Palos Verdes, CA

Date Received: 8/24/2010 **Date Completed:** 8/26/2010 **Date Reported:** 8/26/2010

Analyst: PH **Work Order:** 1008616 **Page:** 1 of 3

Client ID	Lab ID (Layer)	Sample Description (Color, Texture, Etc.) *Analyst's Comment*	Asbestos Content (Percent and Type)	Non-asbestos Fibers (Percent and Type)
1-PLAN-01	001A	(1) Green, Floor Tile, Homogeneous	4% Chrysotile	None Reported
		(2) Black, Mastic, Homogeneous	5% Chrysotile	None Reported
1-PLAN-02	002A	**Sample Not Tested**		
1-PLAN-03	003A	**Sample Not Tested**		
2-PLAN-04	004A	(1) Brown, Floor Tile, Homogeneous	5% Chrysotile	None Reported
		(2) Black, Mastic, Homogeneous	NO ASBESTOS DETECTED	None Reported
2-PLAN-05	005A	(1) Brown, Floor Tile, Homogeneous	5% Chrysotile	None Reported
		(2) Black, Mastic, Homogeneous	NO ASBESTOS DETECTED	None Reported
2-PLAN-06	006A	(1) Brown, Floor Tile, Homogeneous	5% Chrysotile	None Reported
		(2) Black, Mastic, Homogeneous	NO ASBESTOS DETECTED	None Reported
3-PLAN-07	007A	(1) Brown, Covebase, Homogeneous	NO ASBESTOS DETECTED	None Reported
		(2) Brown, Mastic, Homogeneous	NO ASBESTOS DETECTED	None Reported
3-PLAN-08	008A	(1) Brown, Covebase, Homogeneous	NO ASBESTOS DETECTED	None Reported
		(2) Brown, Mastic, Homogeneous	NO ASBESTOS DETECTED	None Reported
3-PLAN-09	009A	(1) Brown, Covebase, Homogeneous	NO ASBESTOS DETECTED	None Reported
		(2) Brown, Mastic, Homogeneous	NO ASBESTOS DETECTED	None Reported
4-PLAN-10	010A	(1) White, Ceiling Tile, Homogeneous	NO ASBESTOS DETECTED	30% Cellulose Fiber 30% Fibrous Glass

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PSI, Inc.

Maureen L. Sammons

Approved Signatory
Maureen Sammons

Client ID	Lab ID (Layer)	Sample Description (Color, Texture, Etc.) *Analyst's Comment*	Asbestos Content (Percent and Type)	Non-asbestos Fibers (Percent and Type)
4-PLAN-11	011A	(1) White, Ceiling Tile, Homogeneous	NO ASBESTOS DETECTED	30% Cellulose Fiber 30% Fibrous Glass
4-PLAN-12	012A	(1) White, Ceiling Tile, Homogeneous	NO ASBESTOS DETECTED	30% Cellulose Fiber 30% Fibrous Glass
5-PLAN-13	013A	(1) White, Ceiling Tile, Homogeneous	NO ASBESTOS DETECTED	30% Cellulose Fiber 30% Fibrous Glass
5-PLAN-14	014A	(1) White, Ceiling Tile, Homogeneous	NO ASBESTOS DETECTED	30% Cellulose Fiber 30% Fibrous Glass
5-PLAN-15	015A	(1) White, Ceiling Tile, Homogeneous	NO ASBESTOS DETECTED	30% Cellulose Fiber 30% Fibrous Glass
6-PLAN-16	016A	(1) White, Drywall, Homogeneous (2) White, Joint Compound, Homogeneous	NO ASBESTOS DETECTED NO ASBESTOS DETECTED	7% Cellulose Fiber None Reported
6-PLAN-17	017A	(1) White, Drywall, Homogeneous (2) White, Joint Compound, Homogeneous	NO ASBESTOS DETECTED NO ASBESTOS DETECTED	7% Cellulose Fiber None Reported
6-PLAN-18	018A	(1) White, Drywall, Homogeneous (2) White, Joint Compound, Homogeneous	NO ASBESTOS DETECTED NO ASBESTOS DETECTED	7% Cellulose Fiber None Reported
7-PLAN-19	019A	(1) Yellow, Glue, Homogeneous *Inseparable Glue and Mastics*	NO ASBESTOS DETECTED	None Reported
7-PLAN-20	020A	(1) Yellow, Glue, Homogeneous *Inseparable Glue and Mastics*	NO ASBESTOS DETECTED	None Reported
7-PLAN-21	021A	(1) Yellow, Glue, Homogeneous *Inseparable Glue and Mastics*	NO ASBESTOS DETECTED	None Reported
8-PLAN-22	022A	(1) Black, Roofing, Homogeneous (2) Black, Roofing, Homogeneous (3) Brown, Paper, Homogeneous	NO ASBESTOS DETECTED NO ASBESTOS DETECTED NO ASBESTOS DETECTED	10% Fibrous Glass 10% Fibrous Glass 100% Cellulose Fiber

Quantitation is based on a visual estimation of the relative area of bulk sample components, unless otherwise noted in the "Comments" section of this report. The results are valid only for the item tested. This report may not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Method used: E.P.A. Method for the Determination of Asbestos in Bulk Building Materials (EPA / 600/R-93/116 July 1993). Polarized Light Microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative Transmission Electron Microscopy is currently the only method that can be used to determine if the material can be considered or treated as non-asbestos containing. Samples will be disposed of within 30 days unless notified in writing by the client. No part of this report may reproduced, except in full, without written permission of the laboratory. The reporting limit is 1% by weight. NVLAP Lab Code 101350-0.

Respectfully submitted,
PSI, Inc.

Maureen L. Sammons

Approved Signatory
Maureen Sammons

Client ID	Lab ID (Layer)	Sample Description (Color, Texture, Etc.) *Analyst's Comment*	Asbestos Content (Percent and Type)	Non-asbestos Fibers (Percent and Type)
8-PLAN-23	023A	(1) Black, Roofing, Homogeneous	NO ASBESTOS DETECTED	10% Fibrous Glass
		(2) Black, Roofing, Homogeneous	NO ASBESTOS DETECTED	10% Fibrous Glass
		(3) Brown, Paper, Homogeneous	NO ASBESTOS DETECTED	100% Cellulose Fiber
8-PLAN-24	024A	(1) Black, Roofing, Homogeneous	NO ASBESTOS DETECTED	10% Fibrous Glass
		(2) Black, Roofing, Homogeneous	NO ASBESTOS DETECTED	10% Fibrous Glass
		(3) Brown, Paper, Homogeneous	NO ASBESTOS DETECTED	100% Cellulose Fiber
9-PLAN-25	025A	(1) Black, Roofing, Homogeneous	NO ASBESTOS DETECTED	20% Cellulose Fiber
		(2) Black, Roofing, Homogeneous	NO ASBESTOS DETECTED	20% Cellulose Fiber
9-PLAN-26	026A	(1) Black, Roofing, Homogeneous	NO ASBESTOS DETECTED	20% Cellulose Fiber
		(2) Black, Roofing, Homogeneous	NO ASBESTOS DETECTED	20% Cellulose Fiber
9-PLAN-27	027A	(1) Black, Roofing, Homogeneous	NO ASBESTOS DETECTED	20% Cellulose Fiber
		(2) Black, Roofing, Homogeneous	NO ASBESTOS DETECTED	20% Cellulose Fiber
10-PLAN-28	028A	(1) Black, Mastic, Homogeneous	NO ASBESTOS DETECTED	7% Cellulose Fiber
10-PLAN-29	029A	(1) Black, Mastic, Homogeneous	NO ASBESTOS DETECTED	7% Cellulose Fiber
10-PLAN-30	030A	(1) Black, Mastic, Homogeneous	NO ASBESTOS DETECTED	7% Cellulose Fiber
11-PLAN-31	031A	(1) Black, Mastic, Homogeneous	NO ASBESTOS DETECTED	7% Cellulose Fiber
11-PLAN-32	032A	(1) Black, Mastic, Homogeneous	NO ASBESTOS DETECTED	7% Cellulose Fiber
11-PLAN-33	033A	(1) Black, Mastic, Homogeneous	NO ASBESTOS DETECTED	7% Cellulose Fiber
12-PLAN-34	034A	(1) Black, Shingle, Homogeneous	NO ASBESTOS DETECTED	10% Fibrous Glass
12-PLAN-35	035A	(1) Black, Shingle, Homogeneous	NO ASBESTOS DETECTED	10% Fibrous Glass
12-PLAN-36	036A	(1) Black, Shingle, Homogeneous	NO ASBESTOS DETECTED	10% Fibrous Glass

Report Notes: **(PT) Point Count Results**

Respectfully submitted,
PSI, Inc.

Maureen L. Sammons

Approved Signatory
Maureen Sammons

PSI Information To Build On
Engineering • Consulting • Testing

Page 1 of 4 1008616 (4)

PSI Field Sample & Material Log Chain Of Custody

Project Name (client): City of Rancho Palos Verdes Project #: 0588313-1 Building/Branch/Store #: Planning Building (PLAN)

Inspector: Andrew Hoyer Sample Date: 8-20-10 Address: 30940 Hawthorne Blvd, Rancho Palos Verdes, CA

Relinquished By: Andrew Hoyer (Print) Andrew S. Hoyer (Signature) 8-23-10 (Date)

Relinquished To: _____ (Print) Catherine McNamee (Signature) 8/24/10 9A (Date)

Group #	Sample Number	Material	Material Location	Sample Location	F/NF	Cond.	Qty.
1	PLAN-01	Green, Tan, or Red 12x12 Floor Tile/Black Mastic	Floors throughout under carpet	West Office	NF	G	4,000 sf
〃	PLAN-02	〃	〃	Center Office	〃	〃	〃
〃	PLAN-03	〃	〃	East Office	〃	〃	〃
2	PLAN-04	Brown 9x9 Floor Tile/Black Mastic	Center Office under Tan & Red Floor Tiles & Carpet	Northwest	NF	G	100 sf
〃	PLAN-05	〃	〃	Northeast	〃	〃	〃
〃	PLAN-06	〃	〃	Southwest	〃	〃	〃
3	PLAN-07	Brown or Black 4" Base Cove/Brown Mastic	Interior Walls	Server Room	NF	G	1,000 LF
〃	PLAN-08	〃	〃	Lobby North	〃	〃	〃
〃	PLAN-09	〃	〃	Lobby South	〃	〃	〃

Send Analysis Results to the Attention of Greg Archung & Andrew Hoyer 798976460243

~~Analyze To First Positive~~ _____ Analyze All Samples

Requested Turnaround Time: ____ Same Day ____ 24-Hour ____ 48-Hour ____ 3-5 Days

1008616

Project Name (client): City of Rancho Palos Verdes Project #: 0588313-1 Building/Branch/Store #: Planning Building (PLAN)

Address: 30940 Hawthorne Boulevard, Rancho Palos Verdes, CA 90275

Relinquished By: Andrew Hoyer (Print) Andrew B. Hoyer (Signature) 8-23-10 (Date)

Relinquished To: _____ (Print) C McNamee (Signature) 8/24/10 9A (Date)

Group #	Sample Number	Material	Material Location	Sample Location	F/NF	Cond.	Qty.
4	PLAN-10	2' x 4' Fissured Acoustic Ceiling Panels	Ceilings Throughout	Northeast Office	F	G	4,000 sf
〃	PLAN-11	〃	〃	South Office	〃	〃	〃
〃	PLAN-12	〃	〃	Northwest Office	〃	〃	〃
5	PLAN-13	2' x 4' Dimpled Acoustic Ceiling Panels	Print Room Ceilings	North	F	G	130 sf
〃	PLAN-14	〃	〃	Center	〃	〃	〃
〃	PLAN-15	〃	〃	South	〃	〃	〃
6	PLAN-16	Drywall & Joint Compound	Interior Walls	Kitchen	NF	G	3,000 sf
〃	PLAN-17	〃	〃	Lobby	〃	〃	〃
〃	PLAN-18	〃	〃	Southwest Office	〃	〃	〃
7	PLAN-19	Carpet Glue & Black Mastic	Under Carpet in Server Room	Northeast	NF	G	80 sf
〃	PLAN-20	〃	〃	Center	〃	〃	〃
〃	PLAN-21	〃	〃	Southwest	〃	〃	〃

1008616

Project Name (client): City of Rancho Palos Verdes Project #: 0588313-1 Building/Branch/Store #: Planning Building (PLAN)

Address: 30940 Hawthorne Boulevard, Rancho Palos Verdes, CA 90275

Relinquished By: Andrew Hoyer (Print) Andrew B. Hoyer (Signature) 8-23-10 (Date)

Relinquished To: (Print) CMcNamee (Signature) 8/24/10 9A (Date)

Sample ~~missing~~: found in bag. ~~[illegible]~~ CM 8/24/10

Group #	Sample Number	Material	Material Location	Sample Location	F/NF	Cond.	Qty.
8	PLAN-22	Asphalt Roofing Core (2 layers) & Paper	Roof	Northwest	NF	G	4,400 sf
"	PLAN-23	"	"	Center	"	"	"
"	PLAN-24	"	"	Southeast	"	"	"
9	PLAN-25	Asphalt Roofing Core (2 layers)	Western Half of Arcade Roof	West	NF	G	650 sf
"	PLAN-26	"	"	Center	"	"	"
"	PLAN-27	"	"	East	"	"	"
10	PLAN-28	Penetration Mastic	Roof Penetrations & Patches	East Pipe	NF	G	50 sf
"	PLAN-29	"	"	Center Patch	"	"	"
"	PLAN-30	"	"	North Window Riser	"	"	"
11	PLAN-31	Penetration Mastic	Roof Penetrations, Patches, & Utility Pads	West	NF	G	20 sf
"	PLAN-32	"	"	Center	"	"	"
"	PLAN-33	"	"	East	"	"	"

Page 4 of 4.

1008616

Project Name (client): City of Rancho Palos Verdes Project #: 0588313-1 Building/Branch/Store #: Planning Building (PLAN)

Address: 30940 Hawthorne Boulevard, Rancho Palos Verdes, CA 90275

Relinquished By: Andrew Hoyer (Print) Andrew R. Hoyer (Signature) 8-23-10 (Date)

Relinquished To: _____ (Print) C McNamee (Signature) 8/24/10 (Date) 9A

Group #	Sample Number	Material	Material Location	Sample Location	F/NF	Cond.	Qty.
12	PLAN-34	Asphalt Roof Shingles	Sloped Roof	West	NF	G	600 sf
〃	PLAN-35	〃	〃	Center	〃	〃	〃
〃	PLAN-36	〃	〃	East			

Information To Build On
Engineering • Consulting • Testing

Analytical Report
Analysis of Paint for Lead Determination

TESTED FOR: PSI, Inc
6330 Gateway Drive Suite B
Cypress, CA 90630
Attn: Greg Archung

Project ID: 0588313-1
City of Rancho Palos Verdes
City Hall
30940 Hawthorne Blvd.
Rancho Palos Verdes, CA

Date Received: 8/24/2010 **Date Analyzed:** 8/25/2010 **Date of Issue:** 8/26/2010

Analyst: KP **Work Order:** 1008618 **Page:** 1 of 1

Lab Sample #	Client Sample #	% Lead by Weight	Reporting Limit % Lead by Weight
001A	1PB-CH-01	0.032	0.0057
002A	2PB-CH-02	0.057	0.0057
003A	3PB-CH-03	0.026	0.0060
004A	4PB-CH-04	6.0	0.0059
005A	5PB-CH-05	7.6	0.0058
006A	6PB-CH-06	0.048	0.0059
007A	7PB-CH-07	0.017	0.0060

Analytical Method: PSI WI-503-815 modified from EPA SW846 7420, 3rd Edition, Nov. 1986

Analysis was performed by flame AA using a PE AAnalyst 400.

Reporting limit = 30µg Pb per representative subsample.

Results are based on a representative subsample of the total sample submitted by the client.

AIHA Lab ID #100373; NYELAP Lab ID #10930; CA Lab ID #2377.

Unless otherwise noted, all samples were acceptable upon receipt.

Sample results are not corrected for blanks.

All quality control sample results are within the acceptance range, unless noted.

All results are based on 2 significant figures. Results relate only to items tested.

Client submitted data is the determining factor in the accuracy of calculated results.

The attached Chain of Custody is incorporated into and becomes a part of the final report.

Respectfully submitted,
PSI, Inc.

Maureen L. Sammons

Approved Signatory
Maureen Sammons

PSI Information To Build On
Engineering • Consulting • Testing

Page 1 of 1 10086618

PSI Field Sample & Material Log Chain Of Custody

Project Name (client): City of Rancho Palos Verdes Project #: 0588313-1 Building/Branch/Store #: City Hall (CH)

Inspector: David Gengenbacher & Andrew Hoyer Sample Date: 8-20-10 Address: 30940 Hawthorne Blvd, Rancho Palos Verdes, CA

Relinquished By: David Gengenbacher (Print) David Gengenbacher (Signature) 8.23.10 (Date)

Relinquished To: _____ (Print) M Cantrell (Signature) 8/24/10 11:02AM (Date)

Analyze by Method ☒ Method EPA 7420 (narrow band spectrometry – Pb only) ☐ Method EPA 6010 (wide band spectrometry – all metals)

Group #	Sample Number	Material Location	Sample Location	Color[1]	Cond.	Qty.
1	Pb-CH-01	Drywall / Computer Server Room 2nd Floor	North	White	P	10 SF
2	Pb-CH-02	Concrete / Ceiling Concrete Decking 1st and 2nd Floor	South	White	P	10,000 SF
3	Pb-CH-03	Concrete / Underside of Stairwell of Southwest Lobby	Southwest	Tan/White	P	10 SF
4	Pb-CH-04	Wood/ Exterior Fascia Trim	South	Blue	P	500 SF
5	Pb-CH-05	Wood / Exterior Wood Eaves	South	White	P	750 SF
6	Pb-CH-06	Metal / Tower	Southwest	Blue	P	500 SF
7	Pb-CH-07	Concrete Block / Drip Line	West	Off-White	P	500 SF

[1] If multiple layers list colors from top to bottom (e.g. red/green/blue)

Send Analysis Results to the Attention of Greg Archung, Andrew Hoyer

Requested Turnaround Time: Standard Same Day ____ 24-Hour ____ 48-Hour ____ 3-5 Days

Information To Build On
Engineering • Consulting • Testing

Analytical Report

Analysis of Paint for Lead Determination

TESTED FOR: PSI, Inc
6330 Gateway Drive Suite B
Cypress, CA 90630
Attn: Greg Archung

Project ID: 0588313-1
City of Rancho Palos Verdes
Planning Building
30940 Hawthorne Blvd.
Rancho Palos Verdes, CA

Date Received: 8/24/2010 **Date Analyzed:** 8/25/2010 **Date of Issue:** 8/26/2010

Analyst: KP **Work Order:** 1008619 **Page:** 1 of 1

Lab Sample #	Client Sample #	% Lead by Weight	Reporting Limit % Lead by Weight
001A	1PBPLAN-01	< 0.0059	0.0059
002A	2PBPLAN-02	< 0.0058	0.0058
003A	3PBPLAN-03	< 0.010	0.010
004A	4PBPLAN-04	8.5	0.0057
005A	5PBPLAN-05	6.2	0.0058
006A	6PBPLAN-06	0.019	0.0059
007A	7PBPLAN-07	0.019	0.0059
008A	8PBPLAN-08	< 0.0060	0.0060
009A	9PBPLAN-09	< 0.0058	0.0058

Analytical Method: PSI WI-503-815 modified from EPA SW846 7420, 3rd Edition, Nov. 1986

Analysis was performed by flame AA using a PE AAnalyst 400.

Reporting limit = 30µg Pb per representative subsample.

Results are based on a representative subsample of the total sample submitted by the client.

AIHA Lab ID #100373; NYELAP Lab ID #10930; CA Lab ID #2377.

Unless otherwise noted, all samples were acceptable upon receipt.

Sample results are not corrected for blanks.

All quality control sample results are within the acceptance range, unless noted.

All results are based on 2 significant figures. Results relate only to items tested.

Client submitted data is the determining factor in the accuracy of calculated results.

The attached Chain of Custody is incorporated into and becomes a part of the final report.

Respectfully submitted,
PSI, Inc.

Maureen L. Sammons

Approved Signatory
Maureen Sammons

psi Information To Build On
Engineering • Consulting • Testing

10086619

Page 1 of 1

PSI Field Sample & Material Log
Chain Of Custody

Project Name (client): City of Rancho Palos Verdes Project #: 0588313-1 Building/Branch/Store #: Planning Building (PLAN)

Inspector: Andrew Hoyer Sample Date: 8-20-10 Address: 30940 Hawthorne Blvd, Rancho Palos Verdes, CA

Relinquished By: Andrew Hoyer (Print) Andrew B. Hoyer (Signature) 8-23-10 (Date)

Relinquished To: _____ (Print) M Cantlee (Signature) 8/24/10 11:07A (Date)

Analyze by Method ☒ Method EPA 7420 (narrow band spectrometry – Pb only) ☐ Method EPA 6010 (wide band spectrometry – all metals)

Group #	Sample Number	Material Location	Sample Location	Color[1]	Cond.	Qty.
1	Pb-PLAN-01	Exterior Wood Siding Lobby Area	Roof Northeast	Blue	P	500 sf
2	Pb-PLAN-02	Exterior Wood Window Frames on Lobby Area	North Window Frame	Pink	P	50 sf
3	Pb-PLAN-03	Exterior Metal Sloped Roof Vents	East Vent	Brown/White	P	20 sf
4	Pb-PLAN-04	Exterior Wood Fascia	Southeast Fascia	Blue/White	P	350 sf
5	Pb-PLAN-05	Exterior Wood Eaves	South Eaves	Gray/Red	P	500 sf
6	Pb-PLAN-06	Exterior Concrete Block Wall	East Wall South	White/Green	F	700 sf
7	Pb-PLAN-07	Interior Concrete Block Wall	Southwest Office South Wall	Tan/Green	G	200 sf
8	Pb-PLAN-08	Interior Concrete Wall	Server Room South Wall	White/Green	P	20 sf
9	Pb-PLAN-09	Exterior Wood Posts of Arcade	Northeast Post	Brown	F	30 sf

[1] If multiple layers list colors from top to bottom (e.g. red/green/blue)

7989766024 3

Send Analysis Results to the Attention of Greg Archung, Andrew Hoyer

Requested Turnaround Time: _____ Same Day ____ 24-Hour _____ 48-Hour ____ 3-5 Days

Hygeia Laboratories Inc.
82 W. Sierra Madre Blvd
Sierra Madre, CA 91024-2434
(626) 355-4711 (626) 355-4497 Fax

AIHA ELLAP Certificate No. 465
California ELAP Certificate No. 1269

Analytical Report

August 26, 2010

Hygeia Reference No.: **09323 10 0002**
Date Sampled: August 20, 2010
Date Received: August 24, 2010
Date Analyzed: August 26, 2010
Analyst: Nahid Motamedi

Mr. Greg Archung
PSI
3960 Gilman Street
Long Beach, CA 90815

Client Ref. 0588313-1 City of Rancho Palos Verdes - Planning Building

Samples and data provided by: Andrew Hoyer

Analyte: TTLC Lead **Analytical Method:** EPA 7420 **Detection Limit:** 2 ppm **Samples Analyzed:** 4

Sample Matrix: bulk **Digestion Method:** EPA 3050B **Reporting Limit:** 8 ppm *Sample Condition Acceptable* ☑

Hygeia Sample ID	Client Sample ID	TTLC Lead Conc. (ppm)
1232359	CT-PLAN-01	18
1232360	CT-PLAN-02	17
1232361	CT-PLAN-03	<8
1232362	CT-PLAN-04	2574

ppm = parts per million = mg/kg

Nahid Motamedi

Supervisor of Chemistry Laboratory
Nahid Motamedi

Sample results have not been blank corrected. All quality control results meet the QC requirements of AIHA ELLAP. This report only pertains to the samples investigated and does not apply to other similar material. This report is submitted for the exclusive use of the client to whom it is addressed. Any reproduction of this report or use of this Laboratory's name for advertising or publicity purposes without authorization is prohibited.

Submit by Email | Print Form

Request for Laboratory Services / Chain of Custody - Chemistry

Send Report To	Greg Archung & Andrew Hoyer
Company Name	PSI, Inc.
Company Address	6330 Gateway Drive, Suite B
City State Zip	Cypress, CA 90630
Phone	714-484-8600 Fax 714-484-8601
Cell Pager	
Client Project Name	City of Rancho Palos Verdes - Planning Bldg
Client Project #	0588313-1
Purchase Order #	

Hygeia Laboratories Inc.
82 W. Sierra Madre Blvd
Sierra Madre, CA 91024
(626) 355-4711
(626) 355-4497 Fax
www.hygeialaboratories.com

Hygeia Reference # 09323 10 0002

Samples Submitted 4

Samples Analyzed

Send Report Via [x] Email [ ] Fax [ ] Verbal Results? [ ] Do you require a mailed report?

Email Address greg.archung@psiusa.com & andrew.hoyer@psiusa.com

Turnaround Time [x] Normal (5 business days) [ ] Two Day [ ] Next Day [ ] Same Day [ ] Weekend/Holiday

TCLP and STLC: [ ] Normal (5 business days) [ ] Three Day [ ] Two Day (STLC) [ ] Next Day (TCLP)

Type of Sample [ ] Air [ ] Dust [ ] Paint [x] Bulk [ ] Soil [ ] Water [ ] Wipe [ ] Other

Type of Analysis

- [ ] Lead - air, paint, soil, bulk, wipe
- [ ] Lead - TCLP
- [ ] Lead - STLC
- [x] Lead - TTLC
- [ ] Lead - drinking water
- [ ] Total Nuisance Dust (NIOSH 0500)
- [ ] Respirable Nuisance Dust (NIOSH 0600)
- [ ] Cadnium
- [ ] Chromium
- [ ] Nickel
- [ ] Zinc

Additional Instructions

Ceramic Tile Chain of Custody Attached

For Lab Use Only Sample Integrity x accept ____ reject

1st Sample # 1232359- 362

Results Reported By

Price / Sample 20-

Date ____ Time ____ Initials ____

Date ____ Time ____ Initials ____ Invoice # ____

Date ____ Time ____ Initials ____ Log Out Date ____

Comments

Reliquished By (Signature)	Received By (Signature)	Date	Time	Reason for Change of Custody
Andrew B. Hoyer PSI Ex	ADC	8-23-10 9/24/10	9:30am	Fed Ex

The sample collector is responsible for ensuring that all samples have been preserved according to the appropriate and appplicable methodology.

Revised 12/1/2007

PSI Information To Build On
Engineering • Consulting • Testing

Page 1 of 1

PSI Field Sample & Material Log
Chain Of Custody

Project Name (client): City of Rancho Palos Verdes Project #: 0588313-1 Building/Branch/Store #: Planning Building (PLAN)

Inspector: Andrew Hoyer Sample Date: 8-20-10 Address: 30940 Hawthorne Blvd, Rancho Palos Verdes, CA

Relinquished By: Andrew Hoyer (Print) Andrew B. Hoyer (Signature) 8-23-10 (Date)

Relinquished To: Joanie Forest \ Hygeia Lab (Print) (Signature) 8.24.10 (Date)

Group #	Sample Number	Material Location	Sample Location	Color[1]	Cond.	Qty.
1	CT-PLAN-01	Kitchen Floor	Under Sink	Gray 12"x12"	G	90 sf
2	CT- PLAN -02	Lobby Floor	Southwest Lobby	Black 12"x24"	G	250 sf
3	CT-PLAN-03	Entry & Restrooms Floors	Women's Restroom	Red 3"x6"	G	250 sf
4	CT- PLAN -04	Restroom & Janitor's Closet Walls	Men's Restroom	White 3"x3"	G	120 sf

[1]If multiple layers list colors from top to bottom (e.g. red/green/blue)

Send Analysis Results to the Attention of Greg Archung, Andrew Hoyer

Requested Turnaround Time: ____ Same Day ____ 24-Hour _____48-Hour _____3-5 Days

Hygeia Laboratories Inc.
82 W. Sierra Madre Blvd
Sierra Madre, CA 91024-2434
(626) 355-4711 (626) 355-4497 Fax

AIHA ELLAP Certificate No. 465
California ELAP Certificate No. 1269

Analytical Report

August 26, 2010

Hygeia Reference No.: **09323 10 0004**
Date Sampled: August 20, 2010
Date Received: August 24, 2010
Date Analyzed: August 26, 2010
Analyst: Nahid Motamedi

Mr. Greg Archung
PSI
3960 Gilman Street
Long Beach, CA 90815

Client Ref. 0588313-1 City of Rancho Palos Verdes - City Hall

Samples and data provided by: Andrew Hoyer

Analyte: TTLC Lead **Analytical Method:** EPA 7420 **Detection Limit:** 2 ppm **Samples Analyzed:** 2

Sample Matrix: bulk **Digestion Method:** EPA 3050B **Reporting Limit:** 8 ppm *Sample Condition Acceptable* ☑

Hygeia Sample ID	Client Sample ID	TTLC Lead Conc. (ppm)
1232364	CT-CH-01	44
1232365	CT-CH-02	41

ppm = parts per million = mg/kg

Supervisor of Chemistry Laboratory
Nahid Motamedi

Sample results have not been blank corrected. All quality control results meet the QC requirements of AIHA ELLAP. This report only pertains to the samples investigated and does not apply to other similar material. This report is submitted for the exclusive use of the client to whom it is addressed. Any reproduction of this report or use of this Laboratory's name for advertising or publicity purposes without authorization is prohibited.

Submit by Email | Print Form

Request for Laboratory Services / Chain of Custody - Chemistry

Send Report To	Greg Archung & Andrew Hoyer
Company Name	PSI, Inc.
Company Address	6330 Gateway Drive, Suite B
City State Zip	Cypress, CA 90630
Phone	714-484-8600 Fax 714-484-8601
Cell Pager	
Client Project Name	City of Rancho Palos Verdes - City Hall
Client Project #	0588313-1
Purchase Order #	

Hygeia Laboratories Inc.
82 W. Sierra Madre Blvd
Sierra Madre, CA 91024
(626) 355-4711
(626) 355-4497 Fax
www.hygeialaboratories.com

Hygeia Reference # 09323 10 0004

Samples Submitted 2

Samples Analyzed

Send Report Via ☒ Email ☐ Fax ☐ Verbal Results? ☐ Do you require a mailed report?

Email Address greg.archung@psiusa.com & andrew.hoyer@psiusa.com

Turnaround Time ☒ Normal (5 business days) ☐ Two Day ☐ Next Day ☐ Same Day ☐ Weekend/Holiday

TCLP and STLC: ☐ Normal (5 business days) ☐ Three Day ☐ Two Day (STLC) ☐ Next Day (TCLP)

Type of Sample ☐ Air ☐ Dust ☐ Paint ☒ Bulk ☐ Soil ☐ Water ☐ Wipe ☐ Other

Type of Analysis

- ☐ Lead - air, paint, soil, bulk, wipe
- ☐ Lead - TCLP
- ☐ Lead - STLC
- ☒ Lead - TTLC
- ☐ Lead - drinking water
- ☐ Total Nuisance Dust (NIOSH 0500)
- ☐ Respirable Nuisance Dust (NIOSH 0600)
- ☐ Cadnium
- ☐ Chromium
- ☐ Nickel
- ☐ Zinc

Additional Instructions

Ceramic Tile Chain of Custody Attached

For Lab Use Only Sample Integrity X accept ____ reject

1st Sample # 1232364-365

Results Reported By

Price / Sample 20-

Date ____ Time ____ Initials ____

Date ____ Time ____ Initials ____ Invoice # ____

Date ____ Time ____ Initials ____ Log Out Date ____

Comments

Reliquished By (Signature)	Received By (Signature)	Date	Time	Reason for Change of Custody
Andrew B. Hoyer FED EX		8-23-10		FedEx
		8/24/10	9:30	

The sample collector is responsible for ensuring that all samples have been preserved according to the appropriate and appplicable methodology.

Revised 12/1/2007

PSI Information To Build On
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09325 10 0004

Page 1 of 1

PSI Field Sample & Material Log
Chain Of Custody

Project Name (client): City of Rancho Palos Verdes Project #: 0588313-1 Building/Branch/Store #: City Hall (CH)

Inspector: Andrew Hoyer Sample Date: 8-20-10 Address: 30940 Hawthorne Blvd, Rancho Palos Verdes, CA

Relinquished By: Andrew Hoyer (Print) Andrew B. Hoyer (Signature) 8-23-10 (Date)

Relinquished To: Joanie Forest \ Hygera Lab (Print) (Signature) 8.24.10 (Date)

Group #	Sample Number	Material Location	Sample Location	Color[1]	Cond.	Qty.
1	CT-CH-01	Lobby Floor	Southeast Lobby	Stone 12"x12"	G	500 sf
2	CT-CH-02	Lobby Walls	Southeast Lobby	Stone 2"x6"	G	30 sf

[1]If multiple layers list colors from top to bottom (e.g. red/green/blue)

Send Analysis Results to the Attention of Greg Archung, Andrew Hoyer

Requested Turnaround Time: ____ Same Day ____ 24-Hour ____ 48-Hour ____ 3-5 Days

Hygeia Laboratories Inc.
82 W. Sierra Madre Blvd
Sierra Madre, CA 91024-2434
(626) 355-4711 (626) 355-4497 Fax

AIHA ELLAP Certificate No. 465
California ELAP Certificate No. 1269

Analytical Report

August 26, 2010

Hygeia Reference No.: **09323 10 0005**
Date Sampled: N/A
Date Received: August 24, 2010
Date Analyzed: August 26, 2010
Analyst: Nahid Motamedi

Mr. Greg Archung
PSI
3960 Gilman Street
Long Beach, CA 90815

Client Ref. 0588313-1 City of Rancho Palos Verdes - City Hall

Samples and data provided by: N/A

Analyte: TTLC Lead **Analytical Method:** EPA 7420 **Detection Limit:** 2 ppm **Samples Analyzed:** 1

Sample Matrix: bulk **Digestion Method:** EPA 3050B **Reporting Limit:** 8 ppm *Sample Condition Acceptable* ☑

Hygeia Sample ID	Client Sample ID	TTLC Lead Conc. (ppm)
1232366	1	453

ppm = parts per million = mg/kg

Supervisor of Chemistry Laboratory
Nahid Motamedi

Sample results have not been blank corrected. All quality control results meet the QC requirements of AIHA ELLAP. This report only pertains to the samples investigated and does not apply to other similar material. This report is submitted for the exclusive use of the client to whom it is addressed. Any reproduction of this report or use of this Laboratory's name for advertising or publicity purposes without authorization is prohibited.

Submit by Email | Print Form

Request for Laboratory Services / Chain of Custody - Chemistry

Send Report To	Greg Archung & Andrew Hoyer
Company Name	PSI, Inc.
Company Address	6330 Gateway Drive, Suite B
City State Zip	Cypress, CA 90630
Phone	714-484-8600 Fax 714-484-8601
Cell Pager	
Client Project Name	City of Rancho Palos Verdes - City Hall
Client Project #	0588313-1
Purchase Order #	

Hygeia Laboratories Inc.
82 W. Sierra Madre Blvd
Sierra Madre, CA 91024
(626) 355-4711
(626) 355-4497 Fax
www.hygeialaboratories.com

Hygeia Reference # 09323 10 0005

Samples Submitted 1

Samples Analyzed

Send Report Via: [x] Email [ ] Fax [ ] Verbal Results? [ ] Do you require a mailed report?

Email Address: greg.archung@psiusa.com & andrew.hoyer@psiusa.com

Turnaround Time: [x] Normal (5 business days) [ ] Two Day [ ] Next Day [ ] Same Day [ ] Weekend/Holiday

TCLP and STLC: [ ] Normal (5 business days) [ ] Three Day [ ] Two Day (STLC) [ ] Next Day (TCLP)

Type of Sample: [ ] Air [ ] Dust [ ] Paint [x] Bulk [ ] Soil [ ] Water [ ] Wipe [ ] Other

Type of Analysis

- [ ] Lead - air, paint, soil, bulk, wipe
- [ ] Lead - drinking water
- [ ] Cadnium
- [ ] Lead - TCLP
- [ ] Chromium
- [ ] Lead - STLC
- [ ] Total Nuisance Dust (NIOSH 0500)
- [ ] Nickel
- [x] Lead - TTLC
- [ ] Respirable Nuisance Dust (NIOSH 0600)
- [ ] Zinc

Additional Instructions

Please analyze Building Composite by Lead TTLC for Waste Stream Characterization.
[Concrete Block: 60%] [Drywall: 28%] [Wood: 10%] [Roofing: 2%]

For Lab Use Only Sample Integrity [x] accept [ ] reject 1st Sample # 1232366

Results Reported By Price / Sample 20-

Date _____ Time _____ Initials _____

Date _____ Time _____ Initials _____ Invoice # _____

Date _____ Time _____ Initials _____ Log Out Date _____

Comments

Reliquished By (Signature)	Received By (Signature)	Date	Time	Reason for Change of Custody
Andrew B. Hoyer Fed Ex		8-23-10		Fed Ex
		8-24-10	9:30A	

The sample collector is responsible for ensuring that all samples have been preserved according to the appropriate and appplicable methodology.

Revised 12/1/2007

Hygeia Laboratories Inc.
82 W. Sierra Madre Blvd
Sierra Madre, CA 91024-2434
(626) 355-4711 (626) 355-4497 Fax

AIHA ELLAP Certificate No. 465
California ELAP Certificate No. 1269

Analytical Report

September 3, 2010

Hygeia Reference No.: **09323 10 0006**

Mr. Greg Archung
PSI
6330 Gateway Drive, Ste B
Cypress, CA 90630-4844

Date Sampled: N/A
Date Received: September 1, 2010
Date Analyzed: September 3, 2010
Analyst: Nahid Motamedi

Client Ref. 0588313-1 City of Rancho Palos Verdes - City Hall

Samples and data provided by: N/A

Analyte: STLC Lead **Analytical Method:** EPA 7420 **Detection Limit:** 0.2 ppm **Samples Analyzed:** 1

Sample Matrix: bulk **Digestion Method:** WET (title 22) **Reporting Limit:** 0.4 ppm *Sample Condition Acceptable* ☑

Hygeia Sample ID	Client Sample ID	STLC Lead Conc. (mg/L)
1232366stlc	1	1.5

Original TTLC Job # 0932310005

Supervisor of Chemistry Laboratory
Nahid Motamedi

Request for Laboratory Services / Chain of Custody - Chemistry

Hygeia Laboratories Inc.
82 W. Sierra Madre Blvd
Sierra Madre, CA 91024
(626) 355-4711
(626) 355-4497 Fax
www.hygeialaboratories.com

Send Report To	
Company Name	PSI
Company Address	6330 Gateway Drive, Ste B
City State Zip	Cypress, CA 90630-4844
Phone	(714) 484-8600 Fax (714) 484-8601
Cell Pager	
Client Project Name	City of Rancho Palos Verdes - City Hall
Client Project #	05BB313-1
Purchase Order #	

Hygeia Reference # 09323100006

Samples Submitted 1

Samples Analyzed

Send Report Via ____ Email ____ Fax ____ Verbal Results? ____ Do you require a mailed report?

Email Address

Turnaround Time X Normal (5 business days) ____ Two Day ____ Next Day ____ Same Day ____ Weekend/Holiday

TCLP and STLC: ____ Normal (5 business days) ____ Three Day ____ Two Day (STLC) ____ Next Day (TCLP)

Type of Sample ____ Air ____ Dust ____ Paint X Bulk ____ Soil ____ Water ____ Wipe ____ Other

Type of Analysis

____ Lead - air, paint, soil, bulk, wipe	____ Lead - drinking water	____ Cadmium
____ Lead - TCLP		____ Chromium
X Lead - STLC	____ Total Nuisance Dust (NIOSH 0500)	____ Nickel
____ Lead - TTLC	____ Respirable Nuisance Dust (NIOSH 0600)	____ Zinc

Additional Instructions

For Lab Use Only Sample Integrity X accept ____ reject 1st Sample # 1232366 STLC

Results Reported By Price / Sample ____

Date ____ Time ____ Initials____ Verbal Fax Email

Date ____ Time ____ Initials____ Verbal Fax Email Invoice # ____

Date ____ Time ____ Initials____ Verbal Fax Email Log Out Date ____

Comments

TTLC Job # 09323100005

Relinquished By (Signature)	Received By (Signature)	Date	Time	Reason for Change of Custody
		9/1/10		

The sample collector is responsible for ensuring that all samples have been preserved according to the appropriate and applicable methodology.

Revised 9/16/2008

Submit by Email | Print Form

Request for Laboratory Services / Chain of Custody - Chemistry

Send Report To	Greg Archung & Andrew Hoyer
Company Name	PSI, Inc.
Company Address	6330 Gateway Drive, Suite B
City State Zip	Cypress, CA 90630
Phone	714-484-8600 Fax 714-484-8601
Cell Pager	
Client Project Name	City of Rancho Palos Verdes - City Hall
Client Project #	0588313-1
Purchase Order #	

Hygeia Laboratories Inc.
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Sierra Madre, CA 91024
(626) 355-4711
(626) 355-4497 Fax
www.hygeialaboratories.com

Hygeia Reference # 09323 10 0005

Samples Submitted 1

Samples Analyzed

Send Report Via: [x] Email [ ] Fax [ ] Verbal Results? [ ] Do you require a mailed report?

Email Address: greg.archung@psiusa.com & andrew.hoyer@psiusa.com

Turnaround Time: [x] Normal (5 business days) [ ] Two Day [ ] Next Day [ ] Same Day [ ] Weekend/Holiday

TCLP and STLC: [ ] Normal (5 business days) [ ] Three Day [ ] Two Day (STLC) [ ] Next Day (TCLP)

Type of Sample: [ ] Air [ ] Dust [ ] Paint [x] Bulk [ ] Soil [ ] Water [ ] Wipe [ ] Other

Type of Analysis

- [ ] Lead - air, paint, soil, bulk, wipe
- [ ] Lead - drinking water
- [ ] Cadnium
- [ ] Lead - TCLP
- [ ] Chromium
- [ ] Lead - STLC
- [ ] Total Nuisance Dust (NIOSH 0500)
- [ ] Nickel
- [x] Lead - TTLC
- [ ] Respirable Nuisance Dust (NIOSH 0600)
- [ ] Zinc

Additional Instructions

Please analyze Building Composite by Lead TTLC for Waste Stream Characterization.
[Concrete Block: 60%] [Drywall: 28%] [Wood: 10%] [Roofing: 2%]

For Lab Use Only Sample Integrity [x] accept [ ] reject

1st Sample # 1232366

Results Reported By

Price / Sample 20-

Date 8.27.10 Time 2:03 Initials DL

Date ____ Time ____ Initials ____ Invoice # 77-53338

Date ____ Time ____ Initials ____ Log Out Date 8.26.10

Comments

Reliquished By (Signature)	Received By (Signature)	Date	Time	Reason for Change of Custody
Andrew B. Hoyer		8-23-10		Fed Ex
Fed Ex		8-24-10	9:30A	

The sample collector is responsible for ensuring that all samples have been preserved according to the appropriate and appplicable methodology.

Revised 12/1/2007

Hygeia Laboratories Inc.
82 W. Sierra Madre Blvd
Sierra Madre, CA 91024-2434
(626) 355-4711 (626) 355-4497 Fax

AIHA ELLAP Certificate No. 465
California ELAP Certificate No. 1269

Analytical Report

August 26, 2010

Mr. Greg Archung
PSI
3960 Gilman Street
Long Beach, CA 90815

Hygeia Reference No.: **09323 10 0003**
Date Sampled: N/A
Date Received: August 24, 2010
Date Analyzed: August 26, 2010
Analyst: Nahid Motamedi

Client Ref. 0588313-1 City of Rancho Palos Verdes - Planning Building

Samples and data provided by: N/A

Analyte: TTLC Lead **Analytical Method:** EPA 7420 **Detection Limit:** 2 ppm **Samples Analyzed:** 1

Sample Matrix: bulk **Digestion Method:** EPA 3050B **Reporting Limit:** 8 ppm *Sample Condition Acceptable* ☑

Hygeia Sample ID	Client Sample ID	TTLC Lead Conc. (ppm)
1232363	1	9

ppm = parts per million = mg/kg

Supervisor of Chemistry Laboratory
Nahid Motamedi

Sample results have not been blank corrected. All quality control results meet the QC requirements of AIHA ELLAP. This report only pertains to the samples investigated and does not apply to other similar material. This report is submitted for the exclusive use of the client to whom it is addressed. Any reproduction of this report or use of this Laboratory's name for advertising or publicity purposes without authorization is prohibited.

Submit by Email | Print Form

Request for Laboratory Services / Chain of Custody - Chemistry

Send Report To	Greg Archung & Andrew Hoyer
Company Name	PSI, Inc.
Company Address	6330 Gateway Drive, Suite B
City State Zip	Cypress, CA 90630
Phone	714-484-8600 Fax 714-484-8601
Cell Pager	
Client Project Name	City of Rancho Palos Verdes - Planning Building
Client Project #	0588313-1
Purchase Order #	

Hygeia Laboratories Inc.
82 W. Sierra Madre Blvd
Sierra Madre, CA 91024
(626) 355-4711
(626) 355-4497 Fax
www.hygeialaboratories.com

Hygeia Reference # 09323 10 0003

Samples Submitted: 1

Samples Analyzed:

Send Report Via: [X] Email [ ] Fax [ ] Verbal Results? [ ] Do you require a mailed report?

Email Address: greg.archung@psiusa.com & andrew.hoyer@psiusa.com

Turnaround Time: [X] Normal (5 business days) [ ] Two Day [ ] Next Day [ ] Same Day [ ] Weekend/Holiday

TCLP and STLC: [ ] Normal (5 business days) [ ] Three Day [ ] Two Day (STLC) [ ] Next Day (TCLP)

Type of Sample: [ ] Air [ ] Dust [ ] Paint [X] Bulk [ ] Soil [ ] Water [ ] Wipe [ ] Other

Type of Analysis

- [ ] Lead - air, paint, soil, bulk, wipe
- [ ] Lead - TCLP
- [ ] Lead - STLC
- [X] Lead - TTLC
- [ ] Lead - drinking water
- [ ] Total Nuisance Dust (NIOSH 0500)
- [ ] Respirable Nuisance Dust (NIOSH 0600)
- [ ] Cadnium
- [ ] Chromium
- [ ] Nickel
- [ ] Zinc

Additional Instructions

Please analyze Building Composite by Lead TTLC for Waste Stream Characterization.
[Concrete Block: 68%] [Drywall: 15%] [Wood: 15%] [Roofing: 2%]

For Lab Use Only Sample Integrity X accept ____ reject

1st Sample # 1232363

Results Reported By

Price / Sample 20-

Date _____ Time _____ Initials _____

Date _____ Time _____ Initials _____ Invoice # _____

Date _____ Time _____ Initials _____ Log Out Date _____

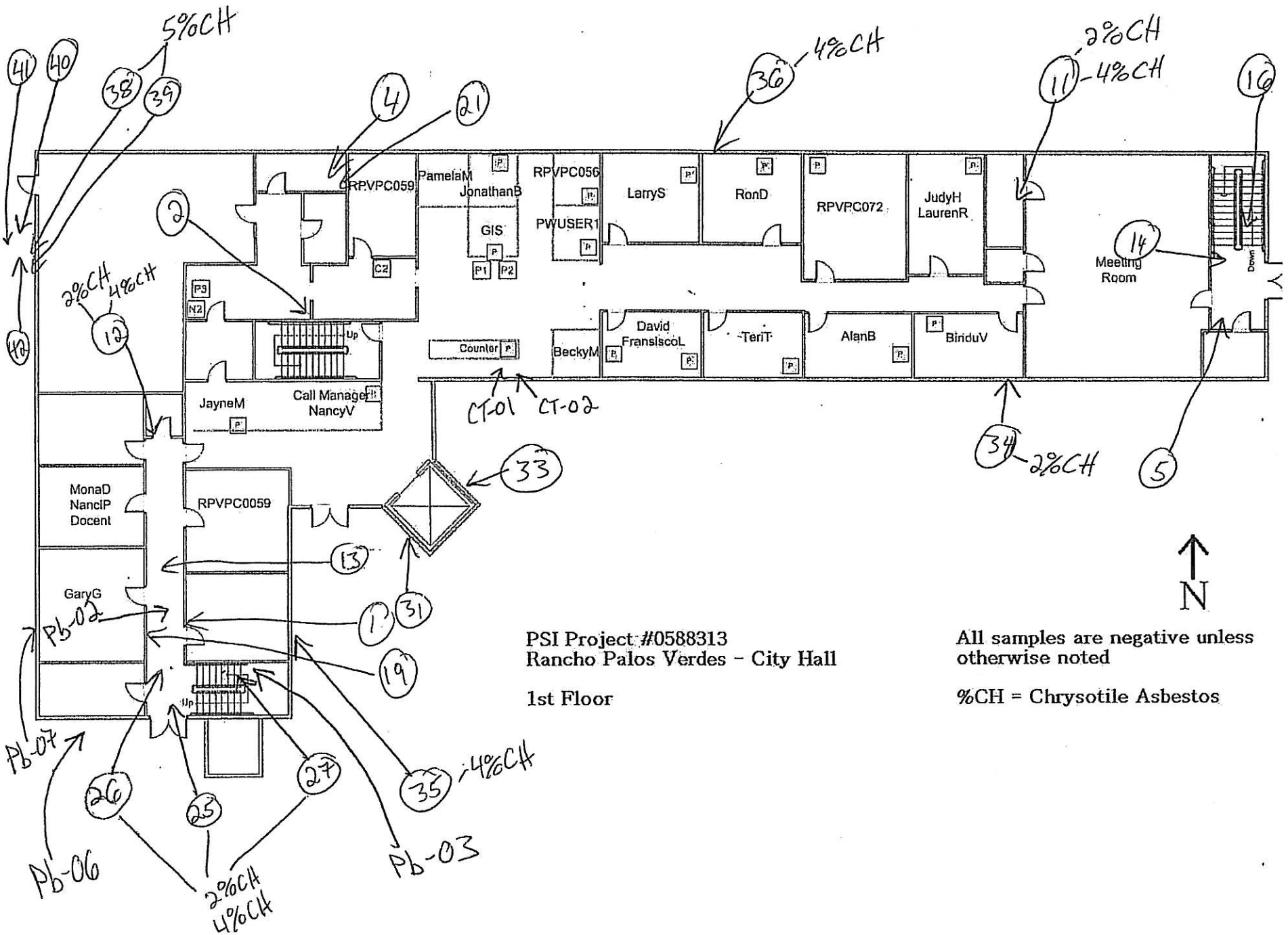
Comments

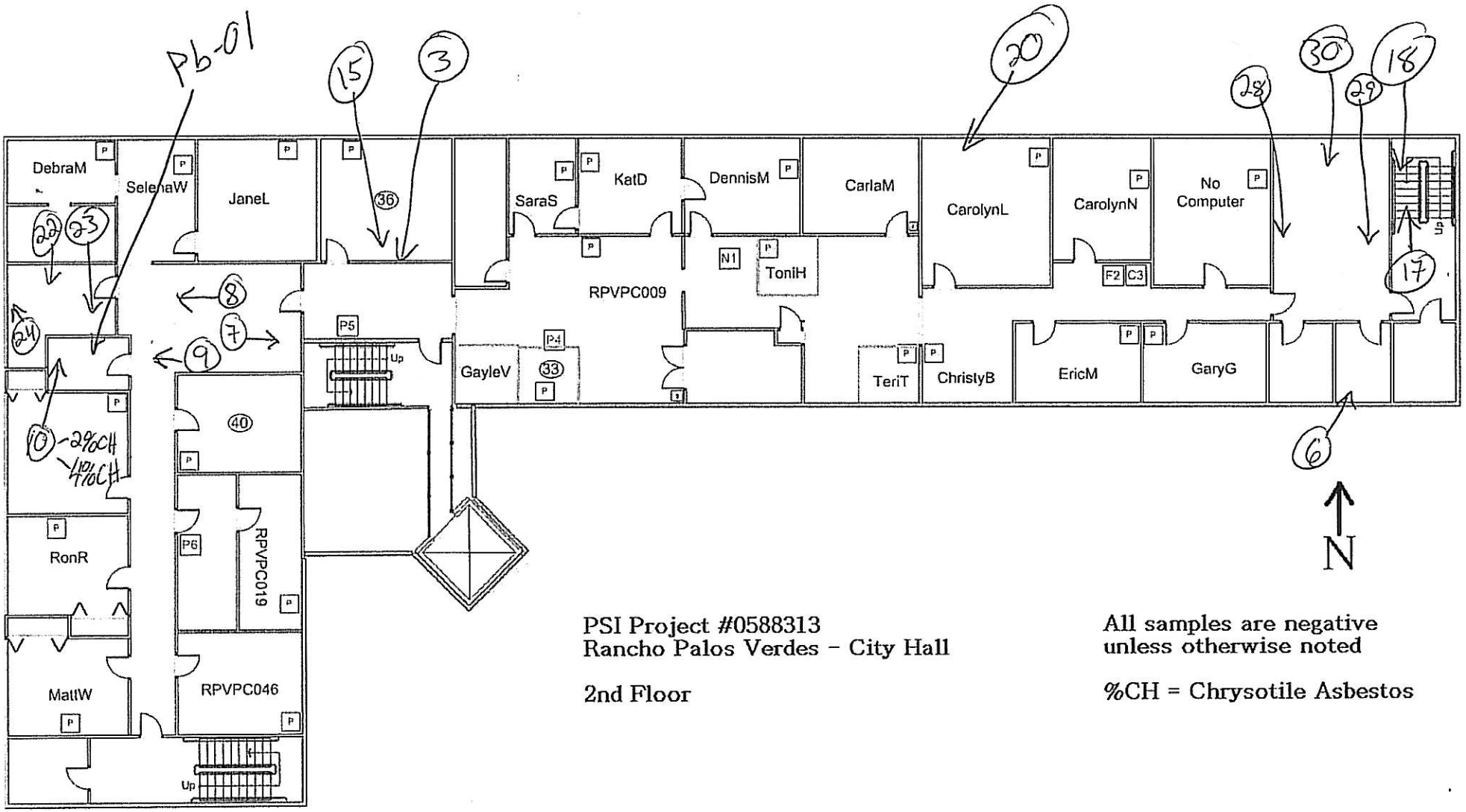
Reliquished By (Signature)	Received By (Signature)	Date	Time	Reason for Change of Custody
Andrew P. Hoyer PO Ex		8-23-10		FedEx
		8/24/10	9:30A	

The sample collector is responsible for ensuring that all samples have been preserved according to the appropriate and appplicable methodology.

Revised 12/1/2007

Asbestos, Lead Paint Chip, and Tile Sample Location Drawings


5%CH
4%CH
2%CH
4%CH
2%CH
4%CH
2%CH
4%CH
2%CH
4%CH
Pb-02
Pb-07
Pb-06
Pb-03
CT-01
CT-02
RPVPC059
PamelaM
JonathanB
GIS
RPVPC056
PWUSER1
LarryS
RonD
RPVPC072
JudyH
LaurenR
Meeting Room
Down
Counter
BeckyM
David
FransiscoL
TeriT
AlanB
BiriduV
JayneM
Call Manager
NancyV
MonaD
NancIP
Docent
RPVPC0059
GaryG
Up
C2
P1
P2
P3
N2
N
PSI Project #0588313
Rancho Palos Verdes - City Hall
1st Floor
All samples are negative unless otherwise noted
%CH = Chrysotile Asbestos

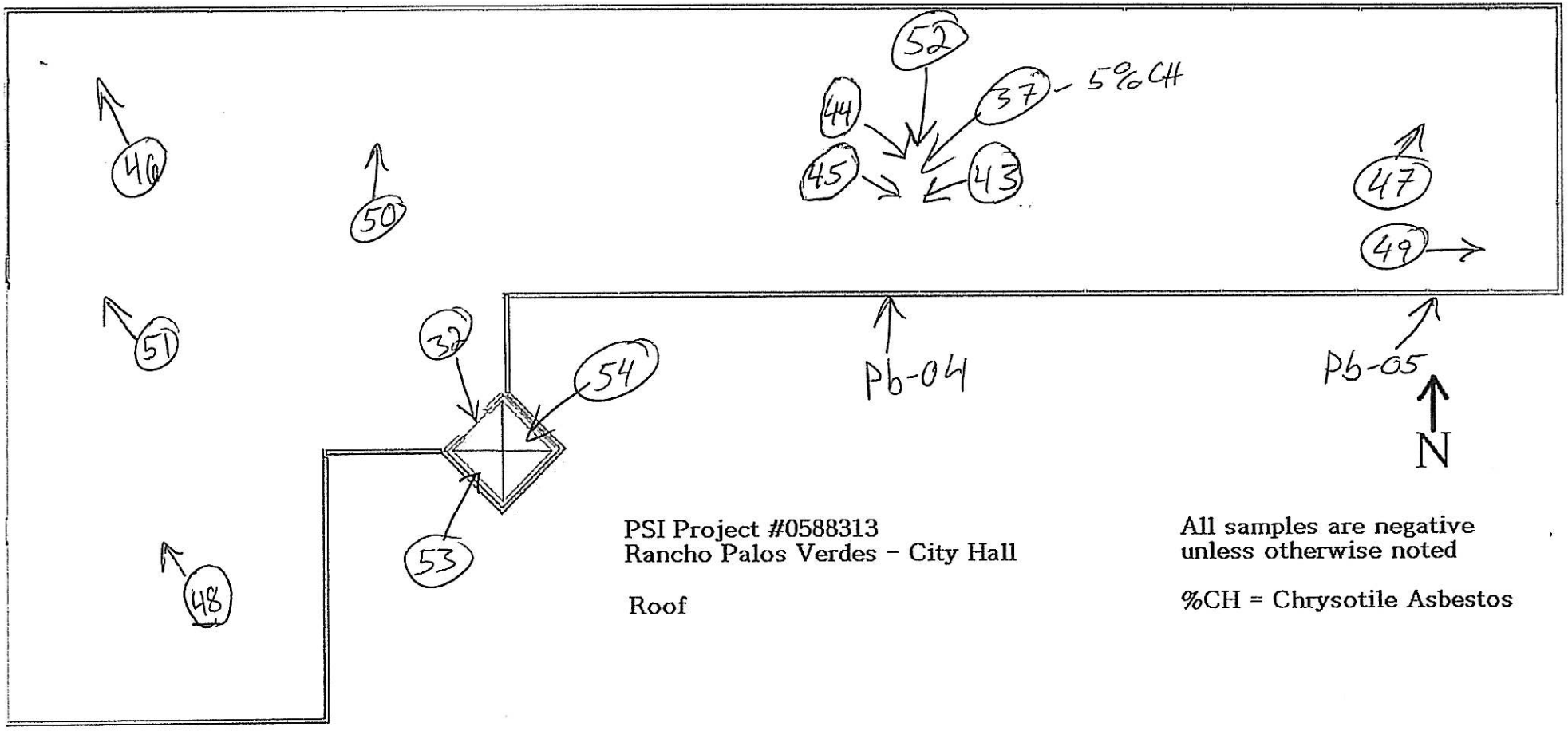


PSI Project #0588313
Rancho Palos Verdes - City Hall

2nd Floor

All samples are negative unless otherwise noted

%CH = Chrysotile Asbestos

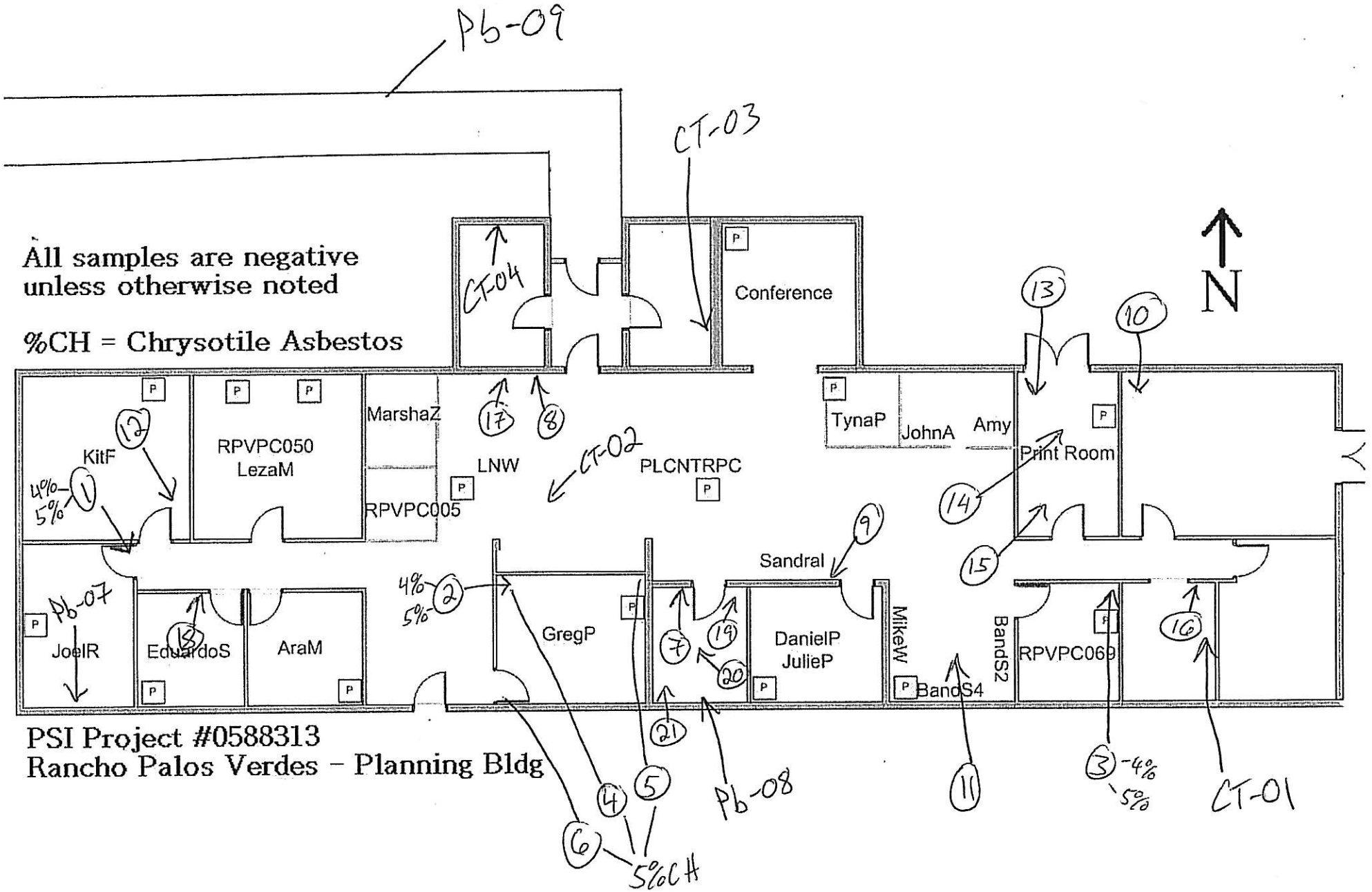


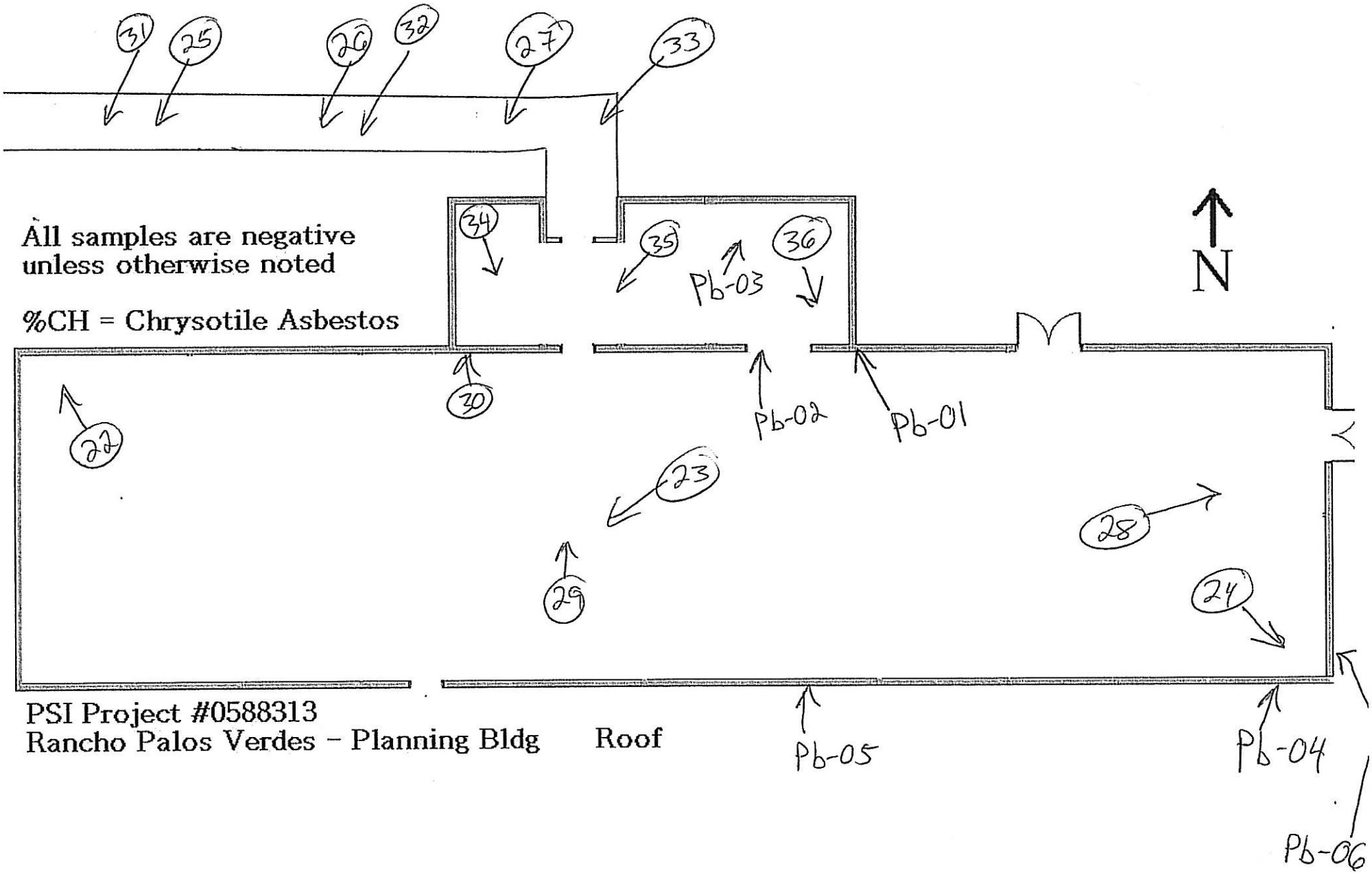
PSI Project #0588313
Rancho Palos Verdes - City Hall

Roof

All samples are negative
unless otherwise noted

%CH = Chrysotile Asbestos


Pb-09
CT-03
All samples are negative
unless otherwise noted
%CH = Chrysotile Asbestos
CT-04
Conference
N
13
10
MarshaZ
17
8
TynaP
JohnA
Amy
Print Room
12
KitF
RPVPC050
LezaM
LNW
CT-02
PLCNTRPC
4%
5%
1
RPVPC005
14
9
Sandral
15
Pb-07
4%
5%
2
GregP
7
19
DanielP
JulieP
MikeW
BandS2
RPVPC069
16
JoelR
18
EduardoS
AraM
20
BandS4
21
Pb-08
11
3
-4%
-5%
CT-01
4
5
6
5%CH
PSI Project #0588313
Rancho Palos Verdes - Planning Bldg


31
25
26
32
27
33
All samples are negative
unless otherwise noted
%CH = Chrysotile Asbestos
34
35
Pb-03
36
N
30
Pb-02
Pb-01
22
23
28
29
24
PSI Project #0588313
Rancho Palos Verdes – Planning Bldg
Roof
Pb-05
Pb-04
Pb-06

STATE OF CALIFORNIA
DEPARTMENT OF HEALTH SERVICES

DHS FORM 8552

State of California—Health and Human Services Agency | California Department of Public Health

LEAD HAZARD EVALUATION REPORT

Section 1 — Date of Lead Hazard Evaluation 8/20/10

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

☑ Lead Inspection ☐ Risk assessment ☐ Clearance Inspection ☐ Other (specify) _____

Section 3 — Structure Where Lead Hazard Evaluation Was Conducted

Address [number, street, apartment (if applicable)]	City	County	Zip Code
30940 Hawthorne Boulevard	Rancho Palos Verdes	Los Angeles	90275

Construction date (year) of structure	Type of structure (check one box only)
	☐ Multi-unit building ☐ School or daycare ☐ Single family dwelling ☑ Other (specify) Public Building

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

Name	Telephone number
City of Rancho Palos Verdes	

Address [number, street, apartment (if applicable)]	City	State	Zip Code
30940 Hawthorne Boulevard	Rancho Palos Verdes	California	90275

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

☐ No lead-based paint detected. ☑ Lead-based paint detected.

☐ No lead hazards detected. ☑ Lead hazards detected.

Section 6 — Individual Conducting Lead Hazard Evaluation

Name	Telephone number
David Gengenbacher	(562) 856-2673

Address [number, street, apartment (if applicable)]	City	State	Zip Code
1625 Redondo Avenue Apt 103	Long Beach	California	90804

CDPH certification number	Signature	Date
11087	David Gengenbacher	9-9-10

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

Section 7 — Attachments

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

First copy and attachments retained by inspector

Second copy and attachments retained by owner

Third copy only (no attachments) mailed or faxed to:

California Department of Public Health
Childhood Lead Poisoning Prevention Branch Reports
850 Marina Bay Parkway, Building P, Third Floor
Richmond, CA 94804-6403
Fax: (510) 620-5656

CDPH 8552 (6/07)

CODES AND REGULATIONS
ASBESTOS AND LEAD

CODES AND REGULATIONS – ASBESTOS

Federal regulations which govern asbestos abatement work or hauling and disposal of asbestos waste materials include but are not limited to the following:

U.S. Department of Labor, Occupational Safety and Health Administration:

Asbestos Regulations
Title 29, Part 1910, Section 1001 of the Code of Federal Regulations

Final Rule
Title 29, Part 1926, Section 1101 of the Code of Federal Regulations

Respiratory Protection
Title 29, Part 1910, Section 134 of the Code of Federal Regulations

Construction Industry
Title 29, Part 1926, of the Code of Federal Regulations

Access to Employee Exposure & Medical Records
Title 29, Part 1910, Section 20 of the Code of Federal Regulations

Hazard Communication
Title 29, Part 1910, Section 1200 of the Code of Federal Regulations

Specifications for Accident Prevention Signs and Tags
Title 29, Part 1910, Section 145 of the Code of Federal Regulations

Lead Regulations
Title 29, Part 1926, Section 62 of the Code of Federal Regulations

Environmental Protection Agency (EPA) including but not limited to:

Worker Protection Rule
40 CFR Part 763, Subpart G
CPTS 62044, FLR 2843-9
Federal Register, Vol. 50, No. 134, 7/12/85
P28530-28540

Regulation for Asbestos
Title 40, Part 61, Subpart A of the
Code of Federal Regulations

CODES AND REGULATIONS – ASBESTOS, continued

National Emission Standard for Asbestos
Title 40, Part 61, Subpart M of the Code of Federal Regulations including NESHAP Revision; Final Rule, Federal Register; Tuesday, November 20, 1990.

Asbestos Hazard Emergency Response Act (AHERA)
Regulations 40 CFR 763 Subpart E

U.S. Department of Transportation (DOT) including but not limited to:

Hazardous Substances: Final Rule
Regulation 49 CFR, Parts 171 and 172

Uniform Fire Code:

Asbestos Removal
UFC Section 87.106, 87.102

Standards which govern asbestos abatement work or hauling and disposal of asbestos waste materials include but are not limited to the following:

American National Standards Institute (ANSI)

Fundamentals Governing the Design and
Operation of Local Exhaust Systems
Publication Z9.2-79

Practices for Respiratory Protection
Publication Z88.2-80

CODES AND REGULATIONS – LEAD-BASED PAINT

Federal and state regulations which govern lead-based paint work or hauling and disposal of lead-based paint waste materials include but are not limited to the following:

FEDERAL

Housing and Urban Development (HUD) Interim Guidelines

OSHA

Lead In Construction
29 CFR 1926.62

NESHAP

Emissions Standards
40 CFR 50.12

Lead-Based Paint Poisoning Prevention Act (LBPPPA), 1970.

Title 10 – Residential LBP Hazard Reduction Act, 1992, (amendment for LBPPPA,1970)

Resource Conservation Recovery Act (RCRA)

STATE

California Department of Health Services
Title 17, California Code of Regulations, Division 1, Chapter 8 Accreditation, Certification and Work Practices for lead-Based Paint and Lead Hazards

CAL-OSHA
Lead In Construction
Title 8 CCR 1532.1

ANTICIPATED RECYCLING and ABATEMENT OPINION OF COST SCHEDULE

RECYCLING AND ABATEMENT OPINION OF COST BUDGET ESTIMATE

PSI used recognized standard engineering principles in developing the budgetary opinion of cost for abatement and recycling. This is an opinion for recycling of fluorescent lights, ballasts, mercury switches and refrigerant gases and abatement of lead ceramic tile. This opinion of cost is intended for general policy decisions regarding program development and planning. The figures are as of the date of the report and cover only the removal contractor's fees. Variables included in an engineering cost estimate are the project schedule and phasing, size of the project, and other factors that can affect project cost.

RECYCLING AND ABATEMENT OPINION OF COST SCHEDULE

Material Description – Description of the homogenous material.

Quantity – This indicates the quantity of material present, expressed in appropriate units. Quantities have been determined by on-site measurement or plan take-offs. Where access is restricted, best estimates were determined from whatever information was available.

Unit Cost – The cost of removal/recycling per unit.

Removal Cost – (Quantity) x (Unit Cost)

RECYCLING AND ABATEMENT OPINION OF COST SCHEDULE

The following costs are an estimate only for the hazardous materials identified during the August 2010 Survey.

City Hall Building

Hazardous Materials	Quantity	Unit Cost	Removal Cost
Fluorescent Bulbs	308	$1.00/Bulb	$308
Ballasts	154	$2.00 / EA	$308
Refrigerant Gas associated with Air Conditioning Units	4 rooftop units 2 window units	N/A	$2,500
12" x 12" White Floor Tile and Mastic underneath carpet throughout	15,000 SF	$3.00 Sq. Ft.	$45,000
Exterior Dash Coat located at window frames	1,000 S.F.	$3.00 Sq. Ft.	$3,000
Penetration Mastic located at Roof and ground A/C Units	10 SF	N/A	$500
Lead Based Paint Stabilization (including exterior scaffolding)	23,000 SF	$5.00 Sq. Ft	$115,000
Subtotal:			$166.616
Mobilization for Asbestos Contractor			$2,500
Minimum Consultant Fee			$20,000
Estimated Total			$189.116

Planning Building

Hazardous Materials	Quantity	Unit Cost	Removal Cost
Fluorescent Bulbs	216	$1.00/Bulb	$216
Ballasts	108	$2.00 / EA	$216
Refrigerant Gas associated with Air Conditioning Units	1 roof top unit 1 window unit	N/A	$750
12" x 12" Green Tan and Red Floor Tile with Black Mastic at floors throughout underneath carpet	5,000 SF	$3.00 Sq. Ft.	$15,000
9" x 9" Brown Floor Tile and Mastic at center office under tan and red floor tile and carpet	100 S.F.	$3.00 Sq. Ft.	$300
Lead Based Paint Stabilization (including exterior scaffolding)	1,750 SF	$6.00 Sq. Ft.	$10,500
3" x 3" White Ceramic Tile in the Restroom & Janitors Closet Walls	120 SF	$6.00 Sq. Ft.	$720
Subtotal:			$27,702
Mobilization for Asbestos Contractor			$2,500
Minimum Consultant Fee			$7,000
Estimated Total			$37,202

N/A = Not applicable