



AWS # 1675
May 18, 2016

Mike Wesoloski
County of Mendocino
851 Low Gap Rd
Ukiah, CA 95482

**RE: Lead In Paint Inspection Report
120 W. Fir St, Fort Bragg, CA**

Dear Mr. Wesolowski:

Air & Water SCIENCES (AWS) is pleased to provide the results from the Lead-In-Paint inspection conducted on the office building referenced above.

During the inspection, a total of seven (7) readings were collected from both the interior and of the men's' and women's restrooms that are to be renovated in the near future.

- **Lead containing paint was identified in the gray ceramic baseboard tiles in both the men's and women's bathrooms.**

AWS appreciates the opportunity to perform these services for you and we look forward to working with you in the future. Please know that if you have questions or comments regarding the information in this report at any time or if we can be of further assistance, we can be reached at (707) 769-2289.

Respectfully submitted,

Air & Water SCIENCES

A handwritten signature in blue ink, appearing to read "Chip Prokop".



Chip Prokop, PE, CIEC, CAC 08-4420
Principal

Background

The structure is located at 120 W Fir St. The structure is a single story office building in Fort Bragg, California. The subject area is the women's and men's bathrooms which are located in the southwest portion of the building. These two areas are scheduled for upcoming renovation. Its original construction date is unknown, however was likely prior to 1978.

AWS was requested to test all materials in the structure that may be disturbed by the planned renovations.

Ms. Heidi Bauer, CDPH certified Lead Sampling Technician #24853 performed the inspection on April 26, 2016. A more detailed presentation of procedures and findings is presented in the body of this report. Also included is a discussion of recommendations and regulatory considerations.

Lead-In-Paint XRF Survey Procedures

The sampling strategy employed was performed as outlined in Title 17, California Code of Regulations, Division 1, Chapter 8 and in accordance with those survey procedures listed in the "Guidelines for the Evaluation and Control of Lead Based Paint Hazards in Housing", June 1995, by the U.S. Department of Housing and Urban Development (HUD). Our investigation included the collection of readings on similar painted surfaces (not every component in every room as dictated by HUD guidelines).

Prior to data collection, painted/coated surfaces were categorized into distinct areas of homogeneity, substrate material, building material, and/or distinct paint type. After the items have been identified, a representative reading of the painted/coated surface is collected. Because painted/coated surfaces have compositional variability due to one or more paint layers, it is possible to obtain different readings for samples from the same homogeneous area. Therefore, a homogeneous area with at least one XRF reading of 1.0 mg/cm² or greater will result in the entire homogenous material, substrate, and/or distinct paint type being designated as lead based paint.

Each XRF reading along with the location, component, substrate, color, and condition of the painted/coated surface is included in the XRF readings table located at the end of this report.

Sample Analysis

The XRF testing was performed in accordance with the aforementioned criteria, using a ThermoFisher Scientific, Niton Portable XRF Analyzer. Exposure times are internally determined by the instrument and are based on a number of factors including lead content, substrate and source strength. The instrument is calibrated to the manufacturer's specifications and was periodically verified against known lead standards produced by the National Institute of Standards and Testing.

HUD defines action level as the hazard level for which a corrective response action will be required. Currently, the most widely used action level for lead-based paint (LBP) is 1.0 mg/cm² (as measured by an XRF) established by HUD and adopted by the U.S. Environmental Protection Agency. The action level is 5000 parts per million (ppm) or 0.5% by weight when collected paint chip samples are analyzed using atomic absorption spectroscopy (AAS).

HUD guidelines consider XRF findings of 1.0 mg/cm² or greater, as lead based paint, which may be a potential hazard. It is extremely important to understand that XRF readings, which have a value of 0.0 mg/cm² do not necessarily mean there is "no lead present".

Results

During the inspection, a total of seven (7) readings were collected from men's and women's restroom ceramic and painted surfaces.

The results of the inspection and testing for the interior surfaces of the restrooms indicated that:

- **Lead containing paint was identified in the gray ceramic baseboard tiles in both the men's and women's bathrooms.**

Regulatory Considerations/Recommendations

Based on the XRF readings the disturbance of the identified materials would not be subject to the U.S. Environmental Protection Agency (EPA) Lead Renovation, Repair and Painting Program. However, the California Occupational Safety and Health Administration (Cal-OSHA) regulations for lead containing paint do apply to workers. The following section of the report is a summary of the Cal-OSHA lead regulation.

Construction Work Standards

At present, there are no state or federal laws dealing with mandatory abatement following the identification of lead containing or lead based paints prior to disturbance. However, in 1993 OSHA promulgated legislation (29 CFR 1926.62 and 8 CCR 1532.1) entitled "Lead Exposure in the Construction Industry" which deals with worker exposure to lead.

It should be noted that aside from the HUD definition of lead based paint (1.0 mg/cm^2), OSHA regulates worker protection and work practices on building components containing any detectable amounts of lead. Therefore, components determined to contain less than 1.0 mg/cm^2 may still be subject to OSHA regulations, if these materials are to be disturbed. This standard essentially states that work, involving components containing any amount of lead must follow certain guidelines.

These guidelines include but are not limited to training, personal protective equipment, and specific work practices whenever workers disturb lead in any concentration because the disturbance may result in airborne exposures over action or permissible exposure limits. This legislation requires that any task that may potentially expose workers to any concentration of lead be monitored to determine workers eight-hour time weighted average (TWA) exposure to lead. Prior to conduction of activities that may generate a lead exposure, such workers must be properly fitted with respiratory protection and protective clothing until personal eight-hour TWA results reveal exposures within acceptable levels.

Any proposed renovation, which may involve the removal of building materials with lead based or lead containing painted surfaces, should include provisions to minimize the potential for airborne release of lead contaminated dust. It is recommended, as a minimum, that demolition of building materials which have lead based and/or lead containing paints be conducted with the materials kept in a wetted state and removed in sections, as feasible, to reduce the potential for airborne lead emissions.

Limitations

This inspection was conducted in accordance with generally accepted standard of care practiced by other members of our profession. The professional opinions set forth in this report are based solely upon and limited to our visual observation and data collection at the subject site.

The opinions and recommendations in this report apply to site conditions and features, as they existed at the time of our work. They cannot necessarily apply to conditions and features of which we are unaware and have not had the opportunity to evaluate. Future regulatory modifications, agency interpretations and/or policy changes may affect the compliance status of the subject property.

Lead Based Paint Sample Results

May 13, 2016

Site Location: 120 W. Fir St, Fort Bragg

Building: Office Building (Planning Offices)

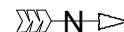
Inspector: Heidi Bauer

Date of Inspection: 4/26/2016

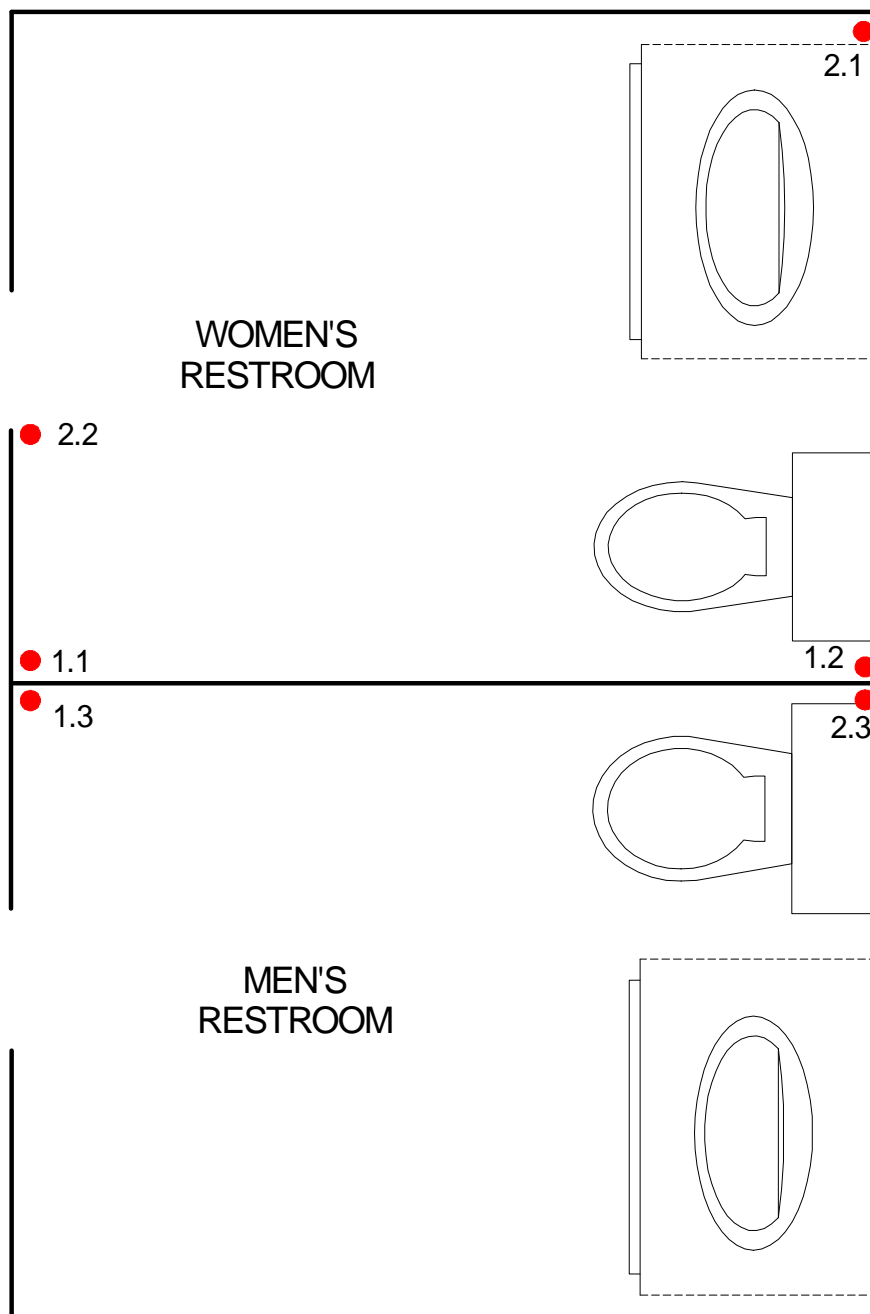
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Location	Component	Substrate	Wall	Paint Condition	Color	RESULTS	Analytical Result (mg/cm ²)
	CALIBRATE						< LOD
	CALIBRATE						3.8
	CALIBRATE						1.1
	CALIBRATE						1.6
	CALIBRATE						0.6
	CALIBRATE						0.29
mens bath	FLOOR ceramic		B		WHITE	NLD	< LOD
mens bath	FLOOR ceramic		B		GREEN	NLD	< LOD
mens bath	baseboard ceramic		B		gray	LCP	0.24
mens bath	baseboard ceramic		B		gray	LCP	0.23
womens bath	baseboard ceramic		B		gray	LCP	0.5
womens bath	WALL	DRYWALL	D		WHITE	NLD	< LOD
MENS BATH	WALL	DRYWALL	B		WHITE	NLD	< LOD
	CALIBRATE						< LOD
	CALIBRATE						3.1
	CALIBRATE						1
	CALIBRATE						1.5
	CALIBRATE						0.6
	CALIBRATE						0.29

	= Calibration
NLD	= No Lead Detected
LCP	= Lead Containing Paint Detected
LBP	= Lead Based Paint Detected



Not to Scale



LEAD HAZARD EVALUATION REPORT**Section 1 — Date of Lead Hazard Evaluation** _____**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
Construction date (year) of structure	Type of structure		Children living in structure?	
	<input type="checkbox"/> Multi-unit building	<input type="checkbox"/> School or daycare	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	<input type="checkbox"/> Single family dwelling	<input type="checkbox"/> Other _____	<input type="checkbox"/> Don't Know	

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

Name		Telephone number	
Address [number, street, apartment (if applicable)]	City	State	Zip Code

Section 5 — Results of Lead Hazard Evaluation (check all that apply)☐ No lead-based paint detected ☐ Intact lead-based paint detected ☐ Deteriorated lead-based paint detected
☐ No lead hazards detected ☐ Lead-contaminated dust found ☐ Lead-contaminated soil found ☐ Other _____**Section 6 — Individual Conducting Lead Hazard Evaluation**

Name		Telephone number	
Address [number, street, apartment (if applicable)]	City	State	Zip Code
CDPH certification number	Signature		Date

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

First copy and attachments retained by inspector

Second copy and attachments retained by owner

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

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