



AWS #1675

May 18, 2016

Dan Mazzanti
County of Mendocino
851 Low Gap Road
Ukiah, CA

**RE: Asbestos Inspection Report – Bathroom Renovation Project
Environmental Planning Dept, 120 W Fir Street, Fort Bragg**

Dear Mr. Mazzanti:

Air & Water SCIENCES (AWS) is pleased to submit the following Asbestos Inspection Report for the site referenced above. This report includes the procedures and methodologies followed from our inspection performed on April 26, 2016.

AWS was requested to take samples of suspected asbestos containing materials from the areas that will be renovated, which included the drywall system and the tile grout from the ceramic tile baseboard.

AWS appreciates the opportunity to perform these services for you and 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 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.

The materials that were tested as suspected asbestos containing materials (ACM) are included in Table 1. AWS collected samples of suspect asbestos containing materials including:

- **Drywall system**
- Ceramic baseboard tile grout

Survey Results

The limited asbestos inspection was performed by Heidi Bauer, Site Surveillance Technician (SST 13-5115) under the direction of Chip Prokop, a Certified Asbestos Consultant (CAC 08-4420). The ACM inspection was performed in areas that were accessible to the inspector at the time of the site visit. A total of six (6) bulk samples were collected from two (2) homogeneous building materials identified within the school. The laboratory provided a total of twelve (12) analytical results based upon the number of layers that were analyzed. In addition three (3) point counts were completed for the drywall samples.

The bulk samples were analyzed by MicroTest Laboratories, Inc. on Fair Oaks, California using the methods prescribed in Method 40 CFR, Ch. 1, Part 763, Subpart F, Appendix A in the Code of Federal Register in analyzing bulk samples. This laboratory participates in the NVLAP and ELAP quality assurance programs for PLM, and is accredited by the National Institute of Standards and Technology (NIST) and the California Department of Health Services Environmental Laboratory Accreditation Program for Bulk Asbestos Analyses (Title 22 of California Code of Regulations [CCR], Section 66261.24), number 200999-0. The suspect asbestos bulk samples were collected and submitted to the laboratory using established chain-of-custody procedures.

Sampling Results

AWS was requested to take samples of suspected asbestos containing materials from two bathrooms which included the drywall system and the ceramic tile baseboard grout. **Analytical results of the samples performed by polarized light microscopy (PLM) indicated that the white joint compound contained trace amounts of Chrysotile asbestos with none being detected from the drywall, paint and paper. When the composite from the drywall, paint,**

paper and joint compound were point counted the results was less than 0.25% asbestos was detected in the samples indicating that the material is asbestos containing construction material (ACCM).

Important Note:

Additional ACM may be present on site in inaccessible or concealed spaces. These spaces include, but are not limited to, crawl spaces, pipe chases, spaces between wall/ceiling/door/floor cavities, interior of mechanical components, beneath foundation pads, etc.

When future activities, including maintenance, renovation, or demolition activities, make these areas accessible, AWS recommends that a thorough assessment of these spaces be conducted to identify and confirm the presence or absence of additional ACM. Until this is done, all previously unidentified materials must be treated as Presumed Asbestos Containing Materials (PACM) in accordance with 29 CFR 1926.1101 and 1910.1001.

Limitations

The interpretation of the preliminary findings identified in this report is based upon our professional experience and qualifications. The field investigation and laboratory results are limited to only those areas, which were exposed and/or physically accessible to the inspector as outlined by the scope of work and/or as directed by the client. The study is also limited to the information provided by the client at the time of the inspection. Quantities listed within this report are estimations and should be confirmed by an abatement contractor prior to renovation and/or demolition work is performed.

Although polarized light microscopy (PLM) is the prescribed analysis for bulk sample evaluation, PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bounded materials. Quantitative inspection using transmission electron microscopy (TEM) is currently the only method that can be used to determine if this material can be considered or treated as non-ACM. However, TEM is not considered cost effective in a limited asbestos survey and is done only upon client request. Please let AWS know if this additional analysis is desired.

AWS is not qualified to present medical advice. If any present or future health issues arise, it is recommended that the findings in this report be presented to a qualified medical professional for review. Additionally, AWS is not a law firm, and therefore, makes no representations regarding any potential liability of any person or entity for site conditions.

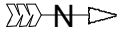
SECTION 2
BAAQMD/NESHAPS NOTIFICATION INFORMATION
120 W Fir Street, Fort Bragg, CA

Inspection Date	April 26, 2016
Laboratory	Microtest – Fair Oaks, CA
Number of Samples/Layers	6 PLM/ 12 Layers
Date Analyzed	April 28, 2016
Inspector Certification	Heidi Bauer (SST) Chip Prokop (CAC)
Training Provider	M&C Environmental
Certificate No.	13-5115 (HB) 08-4420 (CP)
Expiration Date	April 2016 (HB) September 18, 2015 (CP)

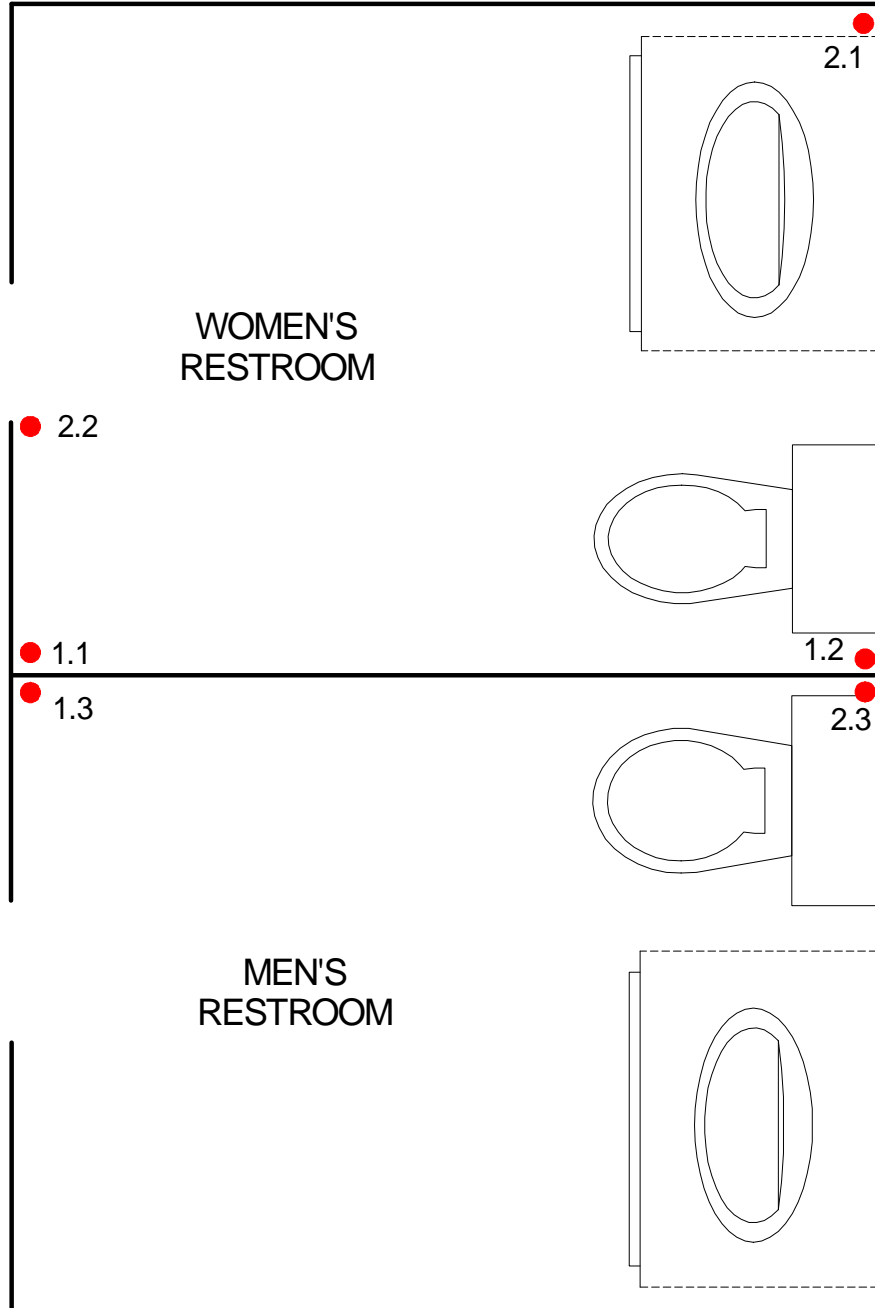
TESTED SUSPECTED ASBESTOS CONTAINING MATERIALS**(Bold type = Asbestos Containing Materials (> 0.1%))**

Material (Classification)	Location of Material (Sample No.'s)	Condition	Friable Yes/No	Quantity, NESHAP Category, (OSHA Class)	Results Recommendations
White Joint Compound, Drywall, paper and paint (M)	Men's bath, men's bath, women's bath (1.1, 1.2, 1.3)	Good	Yes	NYD ACCM <0.25% Unclassified	Joint Compound= Trace, Paint, paper, drywall=ND Composite=<0.25% Remove under Class 2 precautions, dispose of as non- hazardous ACCM <0.25% asbestos
Ceramic tile baseboard grout (M)	Women's bath, women's bath, men's bath (2.1, 2.2, 2.3)	NA	NA	NA	Grout= ND

NA = Not Applicable, ND = Non-Detect, NYD = not yet determined, SF = Square Feet, S = Surfacing, M = Miscellaneous, PACM = Presumed Asbestos-Containing Material, RACM = Regulated Asbestos-Containing Material, ACCM = Asbestos-Containing Construction Material, Cat. I = Category I, Non-friable Asbestos-Containing Material, Cat. II= Category II, Non-friable Asbestos-Containing Material, * Inseparable, Positive By Association, Unclassified = disturbance of ACCM does not have an OSHA Class designation



Not to Scale



MicroTest™ Laboratories, Inc.
NVLAP Lab Code 200999-0
5150 Sunrise Blvd, Suite B-1 Fair Oaks, CA 95628
Phone (916) 567-9808 or (800) 713-3334
microtestlabsinc@yahoo.com

Client : Air & Water Sciences 625 2nd Street, Suite 210 Petaluma, CA 94952-5159	Contact Name: Chip Prokop, CIEC/REA/CAC Sampler: Heidi Bauer Sampling Date: 04/26/16 Receipt Date: 04/28/16 Report Date: 04/28/16	Accession No: 58448-58453 Analyst: A. Nagra Samples Received: 6 Samples Analyzed: 6, 3PC
Project: Mendo County Fort Bragg Job #: AWS 1675		

Polarized Light Microscopy Test Report, EPA/600/R-93/116

Sample ID	Description	Fibrous/Non-Fibrous Material	Asbestiform Minerals
1.1 Lab ID: 58448 (a)	White Joint Compound	Binder 99+%	Trace Chrysotile Asbestos (<1%)
Lab ID: 58448 (b)	White Paint, White Drywall, Brown Paper	Cellulose 10% Binder 90%	None Detected
Lab ID: 58448 (c)	Composite		Trace Chrysotile Asbestos (<1%)
Lab ID: 58448 (d)	400 Point Count		<0.25% Chrysotile Asbestos
1.2 Lab ID: 58449 (a)	White Joint Compound	Binder 99+%	Trace Chrysotile Asbestos (<1%)
Lab ID: 58449 (b)	White Paint, White Drywall, Brown Paper	Cellulose 10% Binder 90%	None Detected
Lab ID: 58449 (c)	Composite		Trace Chrysotile Asbestos (<1%)
Lab ID: 58449 (d)	400 Point Count		<0.25% Chrysotile Asbestos
1.3 Lab ID: 58450 (a)	White Joint Compound	Binder 99+%	Trace Chrysotile Asbestos (<1%)
Lab ID: 58450 (b)	White Paint, White Drywall, Brown Paper	Cellulose 10% Binder 90%	None Detected
Lab ID: 58450 (c)	Composite		Trace Chrysotile Asbestos (<1%)
Lab ID: 58450 (d)	400 Point Count		0.25% Chrysotile Asbestos
2.1 Lab ID: 58451	Gray Grout	Binder 99%	None Detected
2.2 Lab ID: 58452	Gray Grout	Binder 99%	None Detected
2.3 Lab ID: 58453	Gray Grout	Binder 99%	None Detected

This constitutes a final report. Analysis performed by calibrated visual estimation. Due to the limitations of PLM, some samples classified as containing no asbestos in materials such as floor tiles, warrant a recommendation for further analysis by TEM. These results relate only to the items tested. This report shall not be reproduced except in full, without the written approval of the laboratory. This report must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. All samples may be disposed of after 30 days, according to State/Federal guidelines, unless otherwise specified. All samples were received in acceptable condition unless otherwise noted.

Laboratory Director: *Rebecca Huddy*

Analyst: *A. Nagra*

Analyst: *M. Nguyen*

