

NAVFAC  
SPECIFICATION

WO #FEMA 5775  
MODS TO B-137 FRCE  
SCANNER ROOM

AMENDMENT #0002

## **IMPORTANT**

**This amendment should be acknowledged when your proposal is submitted. Failure to acknowledge the amendment may constitute grounds for rejection of the proposal.**

**If your proposal has been submitted prior to the receipt of this amendment, acknowledgement should be made by telegram, which should state whether the price contained in your proposal is to remain unchanged, is to be decreased by an amount, or is to be increased by an amount. The acknowledgement must be received prior to proposal opening time.**

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE	OF PAGES
			1	1

2. AMENDMENT/MODIFICATION NO. 0002	3. EFFECTIVE DATE 08/31/2011	4. REQUISITION/PURCHASE REQ. NO. FEMA 5775	5. PROJECT NO. (If applicable) FEMA 5775
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6. ISSUED BY <b>CG MCAS Cherry Point FACILITIES, ROICC B-163, CURTIS ROAD PSC BOX 8006 CHERRY POINT, NC 28533</b>	Code N40085	7. ADMINISTERED BY (If other than item 6.)	Code
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8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)  <b>AMENDMENT MUST BE ACKNOWLEDGED WITH YOUR PROPOSAL</b>	<input checked="" type="checkbox"/>	9A. AMENDMENT OF SOLICITATION <b>PROJECT #FEMA 5775</b>
		9B. DATED (SEE ITEM 11) 1/28/2010
	<input type="checkbox"/>	10A. MODIFICATION OF CONTRACT/ORDER NO.
		10B. DATED (SEE ITEM 13)

CODE \_\_\_\_\_ FACILITY CODE \_\_\_\_\_

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers  is extended  is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing items 8 and 15, and returning 1 copy of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (if required)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.
- A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14. ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
  - B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATION CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103 (b).
  - C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
  - D. OTHER: (specify type of modification and authority)

E. IMPORTANT: Contractor  is not  is required to sign this document and return **original** to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

**FEMA 5775 MODS TO B-137 FRCE SCANNER ROOM**

The purpose of this amendment is to provide the Lead Paint and Asbestos Surveys. See attached.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
15B. CONTRACTOR/OFFEROR (Same as Item 8)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY _____ (Signature of Contracting Officer)	16C. DATE SIGNED
_____ (Signature of person authorized to sign)			

# **LEAD PAINT AND ASBESTOS SURVEY**

**Marine Corps Air Station – Cherry Point  
Fleet Readiness Center East  
Building 137 Photography Laboratory  
FEMA Project 5775  
Facility Modification for New Scanner  
Cherry Point, North Carolina**

**July 25, 2011**

**Report prepared for:**

**Mr. Kenneth McKinney  
Department of the Navy  
Naval Aviation Depot  
FRC East  
Facilities Planning and Engineering  
PSC Box 8021 POC Code 6.3.1  
Cherry Point, NC 28533-0021**



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**Brett S. Higgins  
Project Manager  
NC Lead Inspector License #110171  
NC Asbestos Inspector License #11110**

**PYRAMID ENVIRONMENTAL AND ENGINEERING P.C.  
503 INDUSTRIAL AVENUE  
GREENSBORO, NORTH CAROLINA 27406  
(336) 335-3174**

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- 1) Site Location Map
- 2) Lead Survey Reference Map
- 3) Asbestos Sample Locations

## ATTACHMENTS

- I. XRF Test Results Field Sheets
- II. Laboratory Report for Paint Chip Sample
- III. Laboratory Report for Asbestos Samples

## 1.0 INTRODUCTION

As requested by Kenneth McKinney, with the Cherry Point Fleet Readiness Center (FRC) East, Facilities Planning and Engineering Department, Pyramid Environmental and Engineering, P.C. has completed a lead paint and asbestos survey at the Photography Laboratory at FRC East, Building 137 at the Marine Corp Air Station in Cherry Point, North Carolina. The location of the site is shown on **Figure 1**.

The work was performed under contract #M00146-10-A-K031 and according to the scope of work outlined in Pyramid proposal #4063 dated June 13, 2011. The work was conducted on the interior of the photograph laboratory only. The photography laboratory includes the area in Building 137 beginning at a wall approximately 12 feet 9.6 inches southwest of columns R14 and Q14 and extending northeast 63 feet 2 inches to columns R12 and Q12 and measuring 15 feet 8 inches wide. This area is approximately 1,000-square feet in size and includes an entrance hallway and four separate rooms (Developing Room, Sink Room, Camera Room and Storage Room). A floor plan of the area is presented as **Figure 2**.

The scope of work included a lead paint survey of the interior area using a hand held X-ray Fluorescence (XRF) analyzer, the collection of one paint chip sample and the sampling and laboratory analysis of suspected asbestos-containing materials. The lead paint and asbestos survey was conducted on June 30, 2011 and access to the building was provided by Mr. Kenny McKinney.

## 2.0 Lead-Based Paint Survey

On June 30, 2011, Pyramid conducted a lead-based paint survey on the interior of the photography laboratory at FRC East. The survey was conducted by Pyramid representative Brett Higgins, a NC Certified Lead Inspector (License #110171). The survey was conducted using a hand held Niton XLp 300 lead paint analyzer. The surface by surface inspection was performed on the interior of the area only. A total of 72 test locations were selected from the interior surfaces of the photograph laboratory. The tested components included walls, ceilings, doors, door frames and baseboards. Pyramid also tested the overhead sprinkler pipe and one sprinkler head, a drain pipe and an overhead light fixture in the developer room. An overhead light fixture was also tested in the camera room. Copies of the lead-based paint survey field sheets are included in **Appendix I**.

Lead-based paint is defined by the Environmental Protection Agency as any paint that contains more than 0.5 percent lead by weight or about 1 milligram per square centimeter of painted surface (1.0 mg/cm<sup>2</sup>). This is the "action level" at which the EPA recommends removal of lead paint if it is deteriorating and chipping.

As indicated on the lead paint field testing sheets, lead paint  $>1.0$  mg/cm<sup>2</sup> was **not** detected in the Photography Laboratory in Building 137.

The highest concentrations of lead in paint were found on the overhead sprinkler pipe in the developer room (XRF test #17) the developer room ceiling (XRF test #16), the hallway upper wall, baseboard and ceiling (XRF test #23, 24 & 28) and the camera room ceiling (XRF test #62) and the results ranged from 0.11 to 0.29 mg/cm<sup>2</sup>. A list of all the test locations with the XRF results is included on the field sheets in **Appendix I**.

## **2.1 Paint Chip Sampling**

On June 30, 2011, one paint chip sample was collected by Pyramid representative Brett Higgins a NC Certified Lead Inspector (License #110171). The paint chip sample was collected from the hallway ceiling of the Photography Laboratory in at FRC East, Building 137.

The paint chip samples was placed in a clean plastic bag, properly labeled and delivered to Scientific Analytical Institute in Greensboro, North Carolina for analysis. The samples were analyzed for lead using flame atomic absorption in accordance with SW 846, 7420. Copies of the lead laboratory report and chain of custody form are included in **Appendix II**.

As indicated in the laboratory report the paint chip sample collected from the hallway ceiling contained 0.014 percent lead by weight; however, the detected amount does not exceed the EPA action level of 0.5 percent by weight. According to 24 CFR Subtitle A, lead-based paint means paint or other surface coatings that contain lead equal to or exceeding 0.5 percent by weight. The amount of lead detected in the paint chip sample does not exceed.

## **2.2 Recommendations**

Although no lead paint greater than 1.0 mg/cm<sup>2</sup> was detected in the test area, it should be noted that during renovation or demolition, disturbing paint which contains lead in amounts less than 1.0 mg/cm<sup>2</sup> may release dust which could exceed acceptable levels. Prior to renovation or maintenance activities which could disturb paint containing any amount of lead, worker safety should be addressed. The OSHA construction safety standards for lead-based paint (29CFR 1926.62) includes guidelines for worker safety. If demolition or renovation planned for components of the area that include paint containing lead, the paint or painted components may need to be removed by an NC licensed lead abatement contractor prior to the beginning the work.

## 3.0 Asbestos Survey

On June 30, 2011, Pyramid conducted an asbestos survey at the above-referenced property. The samples were collected by Brett Higgins, a North Carolina accredited asbestos inspector (License #11110). Representative samples of suspect asbestos containing materials (ACMs) were collected, and included: roll-out floor covering, two types of wallboard, and the outer covering of the overhead HVAC duct work. The area was visually and physically inspected and no other suspected ACMs were identified. Twelve (12) samples of suspect ACMs were collected for laboratory analysis. The sample locations are shown on **Figure 3**.

The samples were placed into clean individual plastic bags, properly sealed and labeled, and delivered to Scientific Analytical Institute (SAI) in Greensboro, North Carolina for analysis. The samples were analyzed for asbestos using polarized light microscopy (PLM) with dispersion staining in accordance with EPA Method 600/R-93/116. Copies of the asbestos laboratory report, field sampling forms and chain of custody form are included in **Attachment III**.

### 3.1 ASBESTOS CONTAINING MATERIALS

Based on the asbestos laboratory report, the only material that contained greater than 1 percent asbestos is the tan and brown roll-out floor covering. The three samples of the roll-out floor covering that were collected contained 10% chrysotile asbestos. The flooring was observed throughout the entire area and measures approximately 1,000 square feet.

As indicated on the lab report, the lab was unable to separate the mastic on the roll-out floor covering (#01, #02 & #03). According to a lab representative, the samples contained an adequate amount of mastic to perform a separate test; however the asbestos containing backing on the flooring was mixed with the mastic and there was no way of determining if the asbestos fibers were coming from the mastic or the flooring.

The same thing is likely to happen when the asbestos removal contractor removes the flooring. The positive backing from the flooring is going to stay adhered to the mastic and will be very difficult to separate.

In this case Pyramid recommends that we should assume the mastic is positive because it will most likely include asbestos fibers from the backing on the roll-out flooring.

## 4.0 CONCLUSIONS AND RECOMMENDATIONS

Although no lead paint greater than 1.0 mg/cm<sup>2</sup> was detected in the test area, it should be noted that during renovation or demolition, disturbing paint which contains lead in amounts less than 1.0 mg/cm<sup>2</sup> may release dust which could exceed acceptable levels. Prior to renovation or maintenance activities which could disturb paint containing any amount of lead, worker safety should be addressed. The OSHA construction safety standards for lead-based paint (29CFR 1926.62) includes guidelines for worker safety. If demolition or renovation planned for components of the area that include paint containing lead, the paint or painted components may need to be removed by an NC licensed lead abatement contractor prior to the beginning the work.

The lead paint survey results indicate that

The laboratory results of the asbestos survey indicate that approximately 1,000 square feet of asbestos containing roll-out floor covering and mastic is present in the Building 137 Photography Lab. The area containing the asbestos floor covering begins at a wall approximately 12 feet 9.6 inches southwest of columns R14 and Q14 and extends northeast 63 feet 2 inches to columns R12 and Q12 and measures 15 feet 8 inches wide.

Pyramid recommends proper removal and disposal of the asbestos-containing floor covering and mastic by an accredited asbestos contractor. A permit is required for the removal of more than 35 cubic feet, 160 square feet, or 260 linear feet of friable asbestos containing material or non-friable asbestos containing material that may become friable during handling (15 NCAC, Subchapter 19C, Section .0605).

If you have questions regarding the findings or recommendations in the report, please contact us at your convenience.

# Figures

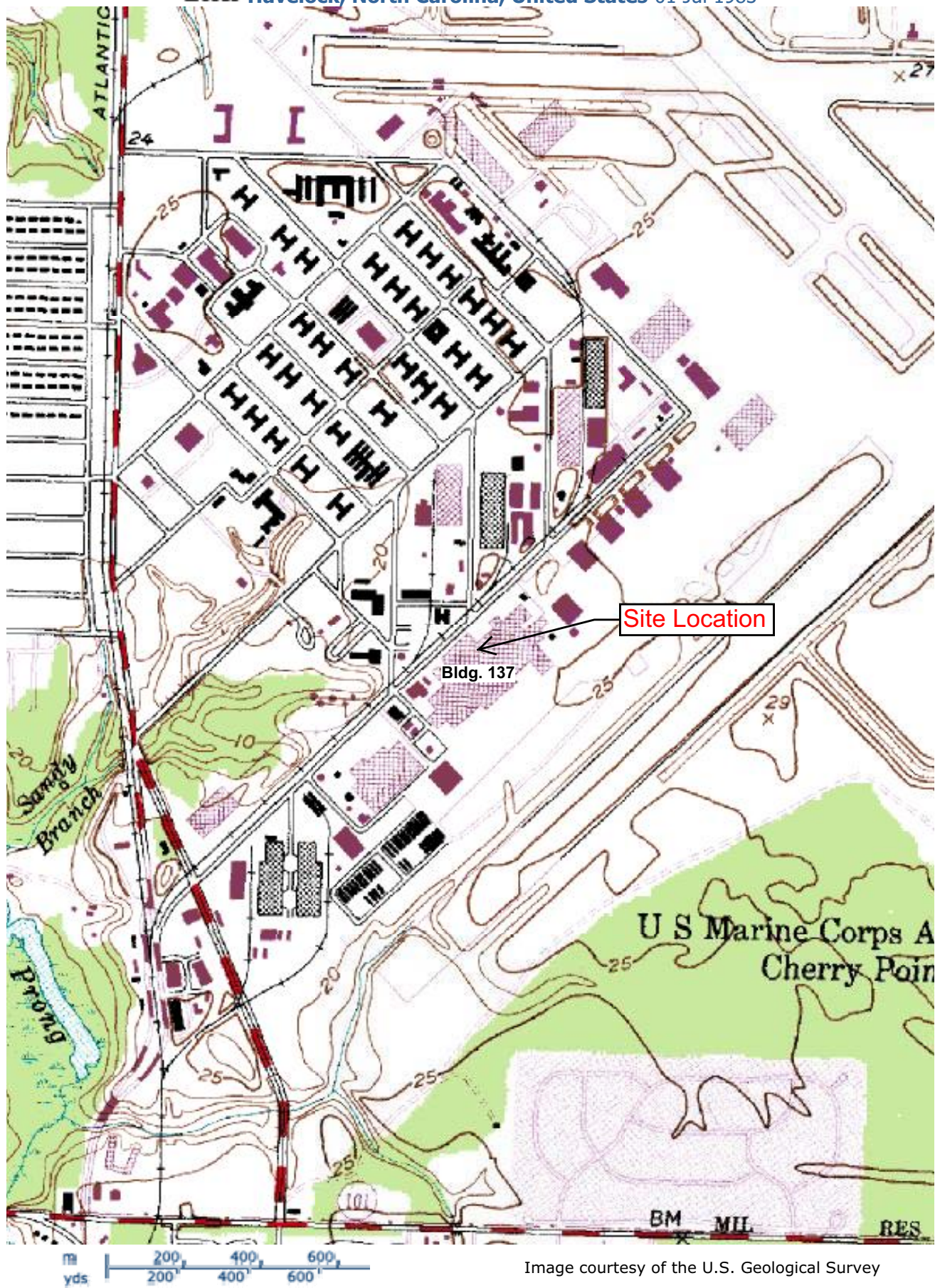


Image courtesy of the U.S. Geological Survey

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Figure 1: Site Location Map  
MCAS - Cherry Point  
Building 137 - Photo Lab  
Asbestos & Lead Paint Survey  
July 2011

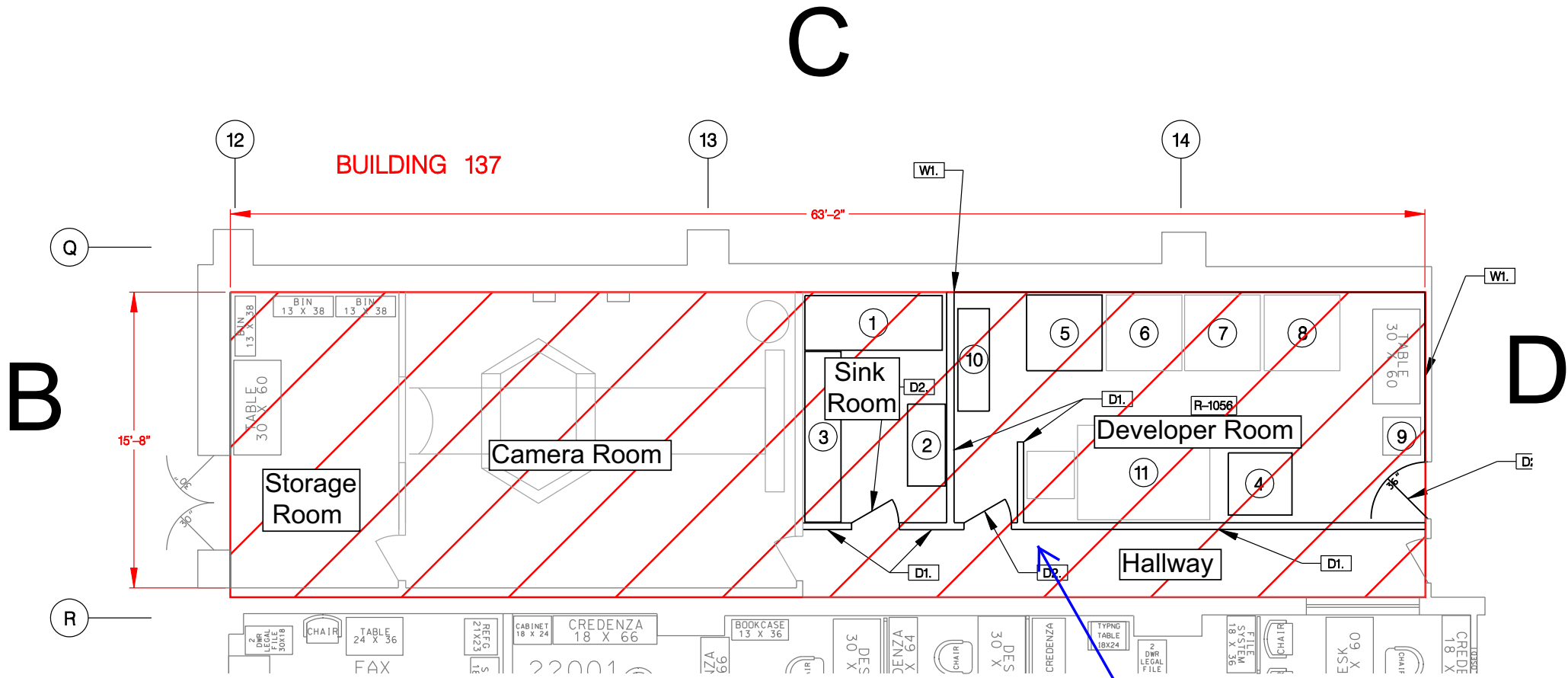


Figure 2: Lead Survey Reference Map  
 MCAS - Cherry Point  
 Building 137 - Photo Lab  
 Lead Paint Survey  
 July 2011

LBP#01 - Hallway Ceiling  
 0.014% by weight

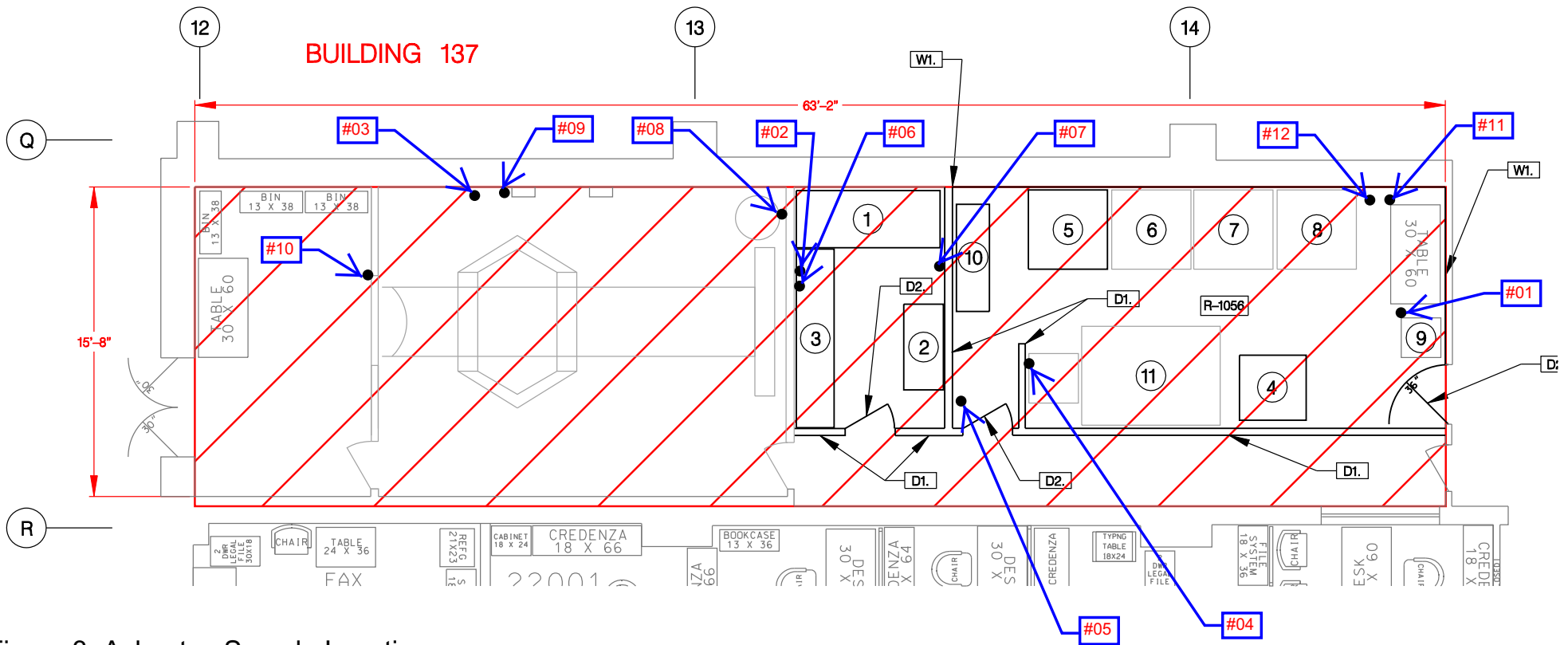


Figure 3: Asbestos Sample Locations  
 MCAS - Cherry Point  
 Building 137 - Photo Lab  
 Lead Paint Survey  
 July 2011

# **Attachment I**

### Single-Family Housing LBP Testing Data Sheet

Client: US Dept. of Navy - Cherry Point Marine Station - FRC East

Page 1 of 5

Address/Unit No.: B137

Date: 6/30/11

Project #: 2011-158

Inspector Signature: \_\_\_\_\_

Sample ID #	Room	Test Location	Substrate	Component	Color	XRF Reading	Result	Classification (pos, neg, inc)	Laboratory Result	UNIT?	Final Classification
1	Developer	Side A R 14.5	WB	Upper Wall	White	0.00	Neg.	Neg.	NA	mg/cm <sup>2</sup> %	Neg.
2	"	Side A R 14.5	"	Lower Wall	Tan	0.00	< 1	Neg.	NA	mg/cm <sup>2</sup> %	Neg.
3	"	"	Incul	Roof work	White	0.00	< 1	Neg.	NA	mg/cm <sup>2</sup> %	Neg.
4	"	"	W	Baseboard	BLK	0.01	< 1	Neg.	NA	mg/cm <sup>2</sup> %	Neg.
5	"	R 13.5	W	Door Int.	Tan	0.00	< 1			mg/cm <sup>2</sup> %	
6	"	R 13.5	W	Door Casing	Tan	0.00				mg/cm <sup>2</sup> %	
7	"	Side B R 14.5	WB	Upper Wall	White	0.00				mg/cm <sup>2</sup> %	
8	"	"	WB	Lower Wall	Tan	0.00				mg/cm <sup>2</sup> %	
9	"	Side C R 13.5	WB	Upper Wall	White	0.00				mg/cm <sup>2</sup> %	
10	"	"	WB	Lower Wall	Tan	0.00				mg/cm <sup>2</sup> %	
11	"	"	W	Baseboard	BLK	0.02				mg/cm <sup>2</sup> %	
13	"	Side D R 14.5	WB	Upper Wall	W	0.00				mg/cm <sup>2</sup> %	
14	"	"	WB	Lower Wall	Tan	0.00				mg/cm <sup>2</sup> %	
15	"	"	W	Baseboard	BLK	0.01				mg/cm <sup>2</sup> %	

Substrate Abbreviations: W=Wood, M=Metal, WB=Wallboard, PL=Plaster, P=Plastic

### Single-Family Housing LBP Testing Data Sheet

Client: US Dept. of Navy - Cherry Point Marine Station - FRC East

Page 2 of 5

Address/Unit No.: B137

Date: 6/30/11

Project #: 2011-158

Inspector Signature: \_\_\_\_\_

Sample ID #	Room	Test Location	Substrate	Component	Color	XRF Reading	Result	Classification (pos, neg, inc)	Laboratory Result	UNIT?	Final Classification
16	Developer	Ceiling	WB	Ceiling	W	0.12	< 1	Neg	NA	mg/cm <sup>2</sup> %	Neg.
17	"	Overhead Sprinkler pipe	M	Pipe	W	0.29	< 1	"	"	mg/cm <sup>2</sup> %	"
18	"	"	M	Sprinkler Head	R	0.04	↓	↓	↓	mg/cm <sup>2</sup> %	↓
19	"	Overhead light fixture	M	Light Fixture	W	0.00				mg/cm <sup>2</sup> %	
20	"	Side D Door	W	Int. Door	Br	0.03				mg/cm <sup>2</sup> %	
21	"	" "	W	Door Casing	Br	0.00				mg/cm <sup>2</sup> %	
22	"	Side C Drain Pipe	M	2" Dr. Pipe	Van = BLK	0.00				mg/cm <sup>2</sup> %	
23	Hallway	Side A	Br	Upper wall	W	0.11				mg/cm <sup>2</sup> %	
24	"	Side A	Conc.	Baseboard	BLK	0.14				mg/cm <sup>2</sup> %	
25	"	Side C	WB	Upper wall	W	0.00				mg/cm <sup>2</sup> %	
26	"	Side D	WB	Lower wall	Van	0.00				mg/cm <sup>2</sup> %	
27	"	Side C	W	Door to Dev. Rm	Van	0.00	mg/cm <sup>2</sup> %				
28	"	Ceiling	WB	Ceiling	W	0.12	mg/cm <sup>2</sup> %				
29	"	Side C Door casing	W	Door Casing to Dev. Rm	Van	0.00	mg/cm <sup>2</sup> %				

Substrate Abbreviations: W=Wood, M=Metal, WB=Wallboard, PL=Plaster, P=Plastic

Conc. = Concrete

Br = Brick

### Single-Family Housing LBP Testing Data Sheet

Client: US Dept. of Navy - Cherry Point Marine Station - FRC East

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Address/Unit No.: B137

Date: 6/30/11

Project #: 2011-158

Inspector Signature: \_\_\_\_\_

Sample ID #	Room	Test Location	Substrate	Component	Color	XRF Reading	Result	Classification (pos, neg, inc)	Laboratory Result	UNIT? mg/cm <sup>2</sup> %	Final Classification
30	Hallway	Door to Sink Room	W	Door	Tan	0.00	< 1	Neg.	NA	mg/cm <sup>2</sup> %	Neg.
31	"	"	W	Door Casing	"	0.00	↓	↓	↓	mg/cm <sup>2</sup> %	↓
32	Sink Room	Side A Door	W	Door	"	0.00				mg/cm <sup>2</sup> %	
33	"	"	"	Door Casing	"	0.00				mg/cm <sup>2</sup> %	
34	"	Side A wall	WB	Upper Wall	W	0.00				mg/cm <sup>2</sup> %	
35	"	"	W	Upper Wall Trim	W	0.00				mg/cm <sup>2</sup> %	
36	"	"	WB	Lower Wall	Tan	0.03				mg/cm <sup>2</sup> %	
37	"	Side A	W	Baseboard	BLK	0.01				mg/cm <sup>2</sup> %	
38	"	Side A	M	Duct Vent Cover	W	0.00				mg/cm <sup>2</sup> %	
39	"	"	Insul	Duct Work	W	0.00				mg/cm <sup>2</sup> %	
40	"	Side B	WB	Upper Wall	W	0.00				mg/cm <sup>2</sup> %	
41	"	"	"	Lower Wall	Tan	0.00				mg/cm <sup>2</sup> %	
42	"	"	W	Baseboard	BLK	0.00				mg/cm <sup>2</sup> %	
43	"	Side D	WB	Upper Wall	W	0.00				mg/cm <sup>2</sup> %	

Substrate Abbreviations: W=Wood, M=Metal, WB=Wallboard, PL=Plaster, P=Plastic

### Single-Family Housing LBP Testing Data Sheet

Client: US Dept. of Navy - Cherry Point Marine Station - FRC East

Page 4 of 5

Address/Unit No.: B137

Date: 6/30/11

Project #: 2011-158

Inspector Signature: \_\_\_\_\_

Sample ID #	Room	Test Location	Substrate	Component	Color	XRF Reading	Result	Classification (pos, neg, inc)	Laboratory Result	UNIT? mg/cm <sup>2</sup> %	Final Classification
44	Sink Room	Side D	WB	Lower Wall	Tan	0.01	< 1	Neg.	NA	mg/cm <sup>2</sup> %	Neg.
45	"	Ceiling	WB	Ceiling	W	0.09	↓	↓	↓	mg/cm <sup>2</sup> %	↓
46	"	Side D	W	Baseboard	BLK	0.00	↓	↓	↓	mg/cm <sup>2</sup> %	↓
47	Hallway	side B	W	Door to Camera Rm	Tan	0.00	↓	↓	↓	mg/cm <sup>2</sup> %	↓
48	Camera Rm	Side A	WB	Upper Wall	W	0.00	↓	↓	↓	mg/cm <sup>2</sup> %	↓
49	Camera	"	WB	Lower Wall	Tan	0.00	↓	↓	↓	mg/cm <sup>2</sup> %	↓
50	"	"	W	Baseboard	BLK	0.00	↓	↓	↓	mg/cm <sup>2</sup> %	↓
51	"	Side B	WB	Upper Wall	W	0.00	↓	↓	↓	mg/cm <sup>2</sup> %	↓
52	"	"	WB	Lower Wall	Tan	0.00	↓	↓	↓	mg/cm <sup>2</sup> %	↓
53	"	"	W	Baseboard	BLK	0.00	↓	↓	↓	mg/cm <sup>2</sup> %	↓
54	"	"	W	Int. Door to Stge Rm	Tan	0.01	↓	↓	↓	mg/cm <sup>2</sup> %	↓
55	"	"	"	" Casing	Tan	0.00	↓	↓	↓	mg/cm <sup>2</sup> %	↓
56	"	Side C	WB	Upper Wall	W	0.00	↓	↓	↓	mg/cm <sup>2</sup> %	↓
57	"	"	WB	Lower Wall	Tan	0.00	↓	↓	↓	mg/cm <sup>2</sup> %	↓

Substrate Abbreviations: W=Wood, M=Metal, WB=Wallboard, PL=Plaster, P=Plastic

### Single-Family Housing LBP Testing Data Sheet

Client: US Dept. of Navy - Cherry Point Marine Station - FRC East

Page 5 of 5

Address/Unit No.: B137

Date: 6/30/11

Project #: 2011-158

Inspector Signature: \_\_\_\_\_

Sample ID #	Room	Test Location	Substrate	Component	Color	XRF Reading	Result	Classification (pos, neg, inc)	Laboratory Result	UNIT? mg/cm <sup>2</sup> %	Final Classification
58	Camera	Overhead Lt. Fixture	M	Open Lt. Fixture	W	0.00	< 1	Neg.	NA	mg/cm <sup>2</sup> %	Neg.
59	"	Side D	WB	Upper Wall	W	0.01	< 1	↓	↓	mg/cm <sup>2</sup> %	↓
60	"	"	WB	Lower Wall	Tan	0.01				mg/cm <sup>2</sup> %	
61	"	"	W	Baseboard	BLK	0.00				mg/cm <sup>2</sup> %	
62	"	Ceiling	WB	Ceiling	W	0.17				mg/cm <sup>2</sup> %	
63	"	Side D	W	Door	Tan	0.00				mg/cm <sup>2</sup> %	
64	"	"	W	Door Casing	Tan	0.02				mg/cm <sup>2</sup> %	
65	Storage	Side A	WB	Upper Wall	W	0.01				mg/cm <sup>2</sup> %	
66	"	Side B	M	Door	Tan	0.00				mg/cm <sup>2</sup> %	
67	"	Side B	W	Door Casing	Tan	0.00				mg/cm <sup>2</sup> %	
68	"	"	WB	Lower Wall	Tan	0.01				mg/cm <sup>2</sup> %	
69	"	Side D	W	Baseboard	BLK	0.00				mg/cm <sup>2</sup> %	
70	"	"	W	Door	Tan	0.01				mg/cm <sup>2</sup> %	
71	"	"	W	Door Casing	Tan	0.00		mg/cm <sup>2</sup> %			
72	"	Ceiling	WB	Ceiling	W	0.05					

Substrate Abbreviations: W=Wood, M=Metal, WB=Wallboard, PL=Plaster, P=Plastic

# **Attachment II**



# Analysis for Lead Concentration in Paint Chips

by Flame Atomic Absorption Spectroscopy  
EPA SW-846 3rd Ed. Method No. 3050B/Method No. 7420



**Customer:** Pyramid Environmental  
503 Industrial Ave  
Greensboro NC 27406

**Attn:** Brett Higgins

**Lab Order ID:** 1109212

**Analysis ID:** 1109212\_PBP

**Date Received:** 7/1/2011

**Date Reported:** 7/8/2011

**Project:** MCAS-Cherry Point -B137 2011-158

Sample ID	Description	Mass (g)	Analytical Sensitivity (% by weight)	Concentration (% by weight)
Lab Sample ID	Lab Notes			
LBP #01	Hallway ceiling	0.0561	0.002%	<b>0.014%</b>
1109212PBP_1				

Scientific Analytical Institute successfully participates in the AIHA ELPAT for Lead program. ELPAT Laboratory ID: 173190 (R.L. = 0.01 wt.%)  
The quality control samples run with the samples in this report have passed all AIHA required specifications unless otherwise noted.

Melissa Sharps (1)

Analyst

Scientific Analytical Institute, Inc. 302-L Pomona Dr. Greensboro, NC 27407 (336) 292-3888

Approved Signatory



# **Attachment III**



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and 600/M4-82-020



**Customer:** Pyramid Environmental  
503 Industrial Ave  
Greensboro, NC 27406

**Attn:** Brett Higgins

**Lab Order ID:** 1109214

**Analysis ID:** 1109214PLM

**Date Received:** 7/1/2011

**Project:** Cherry Point / FRC East / 2011-158-B137

**Date Reported:** 7/7/2011

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
01	Beige tan & brown roll out floor covering mosaic pattern	20% Chrysotile	10% Cellulose	70% Other	Brown, Tan Non Fibrous Heterogeneous
1109214PLM_1	unable to separate mastic				Dissolved
02	Beige tan & brown roll out floor covering mosaic pattern	20% Chrysotile	10% Cellulose	70% Other	Brown, Tan Non Fibrous Heterogeneous
1109214PLM_2	unable to separate mastic				Dissolved
03	Beige tan & brown roll out floor covering mosaic pattern	20% Chrysotile	10% Cellulose	70% Other	Brown, Tan Non Fibrous Heterogeneous
1109214PLM_3	unable to separate mastic				Dissolved
04	Wallboard fiber board material	None Detected	95% Cellulose	5% Other	White, Tan Fibrous Heterogeneous
1109214PLM_4					Teased
05	Wallboard fiber board material	None Detected	95% Cellulose	5% Other	White, Tan Fibrous Heterogeneous
1109214PLM_5					Teased
06	Wallboard; gypsum type	None Detected	10% Cellulose	90% Other	White, Brown Non Fibrous Heterogeneous
1109214PLM_6	wallboard only				Teased
07	Wallboard; gypsum type	None Detected	10% Cellulose	90% Other	White, Brown Non Fibrous Heterogeneous
1109214PLM_7	wallboard only				Teased
08	Wallboard; gypsum type material	None Detected	10% Cellulose	90% Other	White, Brown Non Fibrous Heterogeneous
1109214PLM_8	wallboard only				Teased

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogeneous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Estimated MDL is 0.1%.

Byron Stroble (12)

Analyst

Scientific Analytical Institute, Inc. 302-L Pomona Dr. Greensboro, NC 27407 (336) 292-3888

Nathaniel Durham, MS or Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and 600/M4-82-020



**Customer:** Pyramid Environmental  
503 Industrial Ave  
Greensboro, NC 27406

**Attn:** Brett Higgins

**Lab Order ID:** 1109214

**Analysis ID:** 1109214PLM

**Date Received:** 7/1/2011

**Date Reported:** 7/7/2011

**Project:** Cherry Point / FRC East / 2011-158-B137

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
09	Wallboard; gypsum type material	None Detected	10% Cellulose	90% Other	White, Brown Non Fibrous Heterogeneous
1109214PLM_9	wallboard only				Teased
10	Wallboard; gypsum type material	None Detected	10% Cellulose	90% Other	White, Brown Non Fibrous Heterogeneous
1109214PLM_10	wallboard only				Teased
11	Outer covering of fiberglass insulation at vent	None Detected	20% Cellulose	80% Other	Yellow, Silver, White Non Fibrous Heterogeneous
1109214PLM_11					Ashed
12	Outer covering of fiberglass insulation at seam	None Detected	20% Cellulose	80% Other	Yellow, Silver, White Non Fibrous Heterogeneous
1109214PLM_12					Dissolved

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Byron Stroble (12)

Analyst

Nathaniel Durham, MS or Approved Signatory



Pyramid Environmental & Engineering, P.C.

PO Box 16265, Greensboro, NC 27416-0265

Bulk Asbestos Sampling Form

Client: US Dept. of Navy

Project Number: 2011-158

Site Location: Cherry Point Marine Station - FRC East

Inspector's Name: Brett Higgins - NC #11110

Havelock, NC

Date: 06/30/11

Sample ID #	Building Name	Sample Location	Sample Description	Quantity (Linear/Sq. Footage)	Friable/Non-Friable
01	B137	Developer Rm <del>St. R14.5</del>	Beige tan + brown roll out floor covering mosaic pattern	~ 995 #2 Some damage	N
02	B137	Sink Rm St. Q13.5	Same as #01	"	N
03	B137	Camera Rm St. Q12.5	Same as #01	"	N
04	B137	Developer Rm. (R13.5)	Wallboard. fiber board material	Entire Space	N
05	B137	" " (R13.5)	Same as #04	"	N
06	B137	Sink Rm (Q13.25)	Wallboard; gypsum type	Entire Room	N
07	B137	" "	" "	"	N

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Bulk Asbestos Sampling Form

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Site Location: Cherry Point Marine Station - FRC East

Inspector's Name: Brett Higgins - NC #11110

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Date: 06/30/11

Sample ID #	Building Name	Sample Location	Sample Description	Quantity (Linear/Sq. Footage)	Friable/Non-Friable
8	B137	Camera Room S. wall at water heater	Wall bead: gypsum type material	Entire Room	N
9	B137	Camera Room E. wall	" "	↓	N
10	B137	Storage Room S. Wall	" "	↓	N
11	B137	Developer Rm Duct Work	Outer covering of fiberglass insulation at vent	~70 LF	N
12	B137	" "	Outer covering of fiberglass insulation at seam	"	N
13	B137				
14	B137				