DEPARTMENT OF THE ARMY
CTARNG Occupational Health Office
139 Tower Ave
Groton, Connecticut 06340

CTNG-OHS

05 March 2015

MEMORANDUM FOR Commander, CTARNG Hartford Armory, 360 Broad Street, Hartford, CT 06105

SUBJECT: Surface Lead Wipe Sampling in the Former Indoor Firing Range in Hartford

1. **Purpose:** On 29 January 2015, the CTARNG Occupational Health Office conducted wipe sampling for surface lead dust in the former firing range in the Hartford Armory as part of a yearly requirement to conduct lead wipes in ranges that have been abated IAW (in accordance with) NG PAM 420-15 Page 5, Section 3-6. Ghost Wipe ™ media was used to collect surface lead dust and sent to AMA Analytical Services, Inc. laboratory for analysis on 02 February 2015, IAW guidance in NG Pam 420-15, Appendix B.

2. **Recommendations:**

a. The former indoor firing range in the Hartford Armory was abated in 2010 and all surfaces must be maintained as free as practicable of accumulations of lead dust IAW OSHA 29 CFR 1910.1025 (h) (1) and 29 CFR 1926.62 (h) (1). All surfaces should be cleaned using a high efficiency particulate air (HEPA) vacuum followed by wet cleaning all visible dust using the wet method. Where vacuuming methods are selected, the vacuums shall be used and emptied in a manner which minimizes the reentry of lead into the workplace IAW local state laws. Continue to wipe down all surfaces regularly to prevent lead from reaching high levels. **(RAC 3)**

b. Wipe samples must be collected and analyzed after cleaning. Post-cleaning surface wipe sample results must be less than 200 ug/ft^2 (micrograms per square foot), IAW NG Pam 420-15 paragraph 1-4. **(RAC 3)**

3. **Point of Contacts:** The undersigned at 860-883-6835 or e-mail jose.a.cruzarroyo.mil@mail.mil, and LTC Kathleen King (Occupational Health Nurse) at 860-883-7944.

JOSE A. CRUZ
SFC, CTARNG
Industrial Hygiene Technician

CF: JFHQ-CFMO
CTARNG SOH

CTNG-OHS 05 March 2015

SUBJECT: Surface Lead Wipe Sampling in the Former Indoor Firing Range in Hartford

1. **References.**

a. Occupational Safety & Health Administration (OSHA) Title 29 Code of Federal Regulations (29 CFR) Part 1926.62 (i), Lead & 01/01/2003- Clarification of "as free as practicable" and lead contamination under 29 CFR 1926.62.

b. Occupational Safety & Health Administration (OSHA) Title 29 Code of Federal Regulations (29 CFR) Part 1910.1025, Lead.

c. Department of Defense Instruction (DODI) 6055.01 Enclosure 7, Deriving RACs, October 14, 2014.

d. NG Pam 420-15, Appendix B, Protocol for Collecting Wipe Samples and Page 5, Section 3-6. "After conversion, lead testing shall continue on an annual basis to verify that no lead migration from the substrate is occurring."

2. **General:**

a. Survey Date: 29 January 2015

b. Personnel Contacted:

(1) MAJ Dennis-Works, Dawn, Construction & Facilities Management Office
(2) Mr Mullen, Jon, Building Superintendent

c. Survey Personnel:

(1) SFC Cruz, Jose, Industrial Hygiene Technician

d. Background: On 29 January 2015, the CTARNG Occupational Health Office conducted wipe sampling for surface lead dust in the former firing range in the Hartford Armory as part of a yearly requirement to conduct lead wipes in ranges that have been abated IAW NG PAM 420-15 Page 5, Section 3-6. "After conversion, lead testing shall continue on an annual basis to verify that no lead migration from the substrate is occurring." Ghost Wipe ™ media were used to collect surface lead dust and sent to AMA Analytical Services, Inc. laboratory for analysis on 02 February 2015, IAW the guidance in NG Pam 420-15, Appendix B.

3. **Method:** Ghost Wipe ™ media, Lot # JAN 16 2013, expiration JUL 2016, were used to collect samples of surface lead in accordance with NG Pam 420-15, Appendix B. 20 samples were collected from various surfaces throughout the former firing range, 3 on each wall, 3 on the floor, 3 on miscellaneous surfaces, and 2 field blanks. All samples were collected from areas with the highest visible accumulations of undisturbed dust. A sketch of the areas where the sampling was collected is included in this report.

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4. **Exposure & Health Effects:**

a. Lead exposure occurs through breathing or eating. Though lead is mostly excreted through the body rapidly within days, lead can build up in the body if the person is in contact with it repeatedly for a long time. According to the OSHA Lead Standard 29 CFR 1926.62 (i), OSHA recommends the use of HUD's recommended level for acceptable decontamination of 200 ug/ft^2 for floors in evaluating cleanliness of change areas, storage facilities, and lunchrooms/eating areas. The signs and symptoms of lead poisoning are vague and can be easily confused with other conditions and vice versa. Acute health effects include encephalopathy which develops quickly to seizures, coma, and death due to cardio respiratory arrest. Chronic effects or long term exposure includes damage to the central nervous system, blood forming systems, urinary systems, and reproductive systems. The typical blood lead level in adults is less than 5 micrograms per deciliter (5 ug/dl).

b. Environmental Protection Agency (EPA) standards (40 CFR 745.227(h)(3)) are not directly applicable because they are criteria for dust-lead hazards developed for floors (40 ug/ft^2) and windowsills (250 ug/ft^2) in residential dwellings and child occupied facilities. A child occupied facility is defined as a building, or portion of a building, constructed prior to 1978, visited regularly by the same child, 6 years of age or under, on at least two different days within any week (Sunday through Saturday period), provided that each day's visit lasts at least 3 hours, the combined weekly visit lasts at least 6 hours, and the combined annual visits last at least 60 hours. Most of the wipe samples in Recruitment and Retention Facilities were collected in undisturbed areas and therefore, results are worst case scenarios and do not correlate to these standards.

c. OSHA has no specific requirement for work area surfaces. OSHA 29 CFR 1910.1025 (h) (1) and 29 CFR 1926.62 (h) (1) state, that all surfaces shall be maintained as free as practicable of accumulations of lead dust. In workplaces where lead dust is generated, surface levels may be much higher, but personnel exposures can be controlled by limiting airborne lead levels and following good cleanup and hygienic practices. In situations where employees are in direct contact with lead-contaminated surfaces, such as working surfaces or floors in change rooms, storage facilities and eating facilities, OSHA has stated in 29 CFR 1926.62 (i), that the Agency would not expect surfaces to be any cleaner than the 200 ug/ft^2 HUD level. The intent of this provision is to ensure that employers regularly clean and conduct housekeeping activities to prevent avoidable lead exposure, such as those potentially caused by re-entrained lead dust.

d. OSHA used to cite a level of 200 ug/ft^2 in their Technical Manual and 29 CFR 1926.62 as guidance to its own inspectors for evaluating the cleanliness of lunchroom and locker room surfaces that are supposed to be kept as clean as possible.

e. In a report titled Derivation of Wipe Surface Screening Levels for Environmental Chemicals, the US Army Center for Health Promotion and Preventive Medicine (USACHPPM) has determined that 200 ug/ft^2 is the standard for surface contamination level. They have also applied these standards as the decontamination levels for surfaces in administrative offices.

f. It should be noted that levels above these recommendations do not necessarily mean there is a significant hazard to workers who are following good cleaning and hygienic practices since there is no correlation between wipe and air samples. Rather, they recommend these levels as a precautionary measure.

5. **Lead Poisoning Prevention:** The best way to prevent lead poisoning is to practice good hygiene, remove it from the workplace, or by removing the worker from the contaminated area.

6. **Results**: The Ghost wipes were sent to AMA Analytical Services to be analyzed. Nine samples resulted in lead levels above 200 ug/ft^2 IAW (OSHA) 29 CFR Part 1926.62 (i), Lead & 01/01/2003- Clarification of "as free as practicable" and lead contamination under 29 CFR 1926.62, and (OSHA) 29 CFR Part 1910.1025, Lead. The samples that resulted in lead levels above the recommended are in the table below. A copy of the sketch that shows where the samples were collected is included in Appendix A. A copy of the lab results as received from AMA Analytical Services, Inc, is included in Appendix B.

SAMPLE # & AREA WIPED (See Appendix A)	RESULTS
H01. Floor	740 ug/ft^2
H03. Floor	3500 ug/ft^2
H04. Wall	550 ug/ft^2
H05. Wall	1600 ug/ft^2
H06. Wall	1800 ug/ft^2
H07. Wall	2000 ug/ft^2
H15. Wall	400 ug/ft^2
H16. Pillar	17000 ug/ft^2
H17. Trap (Rear)	790 ug/ft^2

7. **Recommendations:**

a. The former indoor firing range in the Hartford Armory was abated in 2010 and all surfaces must be maintained as free as practicable of accumulations of lead dust IAW OSHA 29 CFR 1910.1025 (h) (1) and 29 CFR 1926.62 (h) (1). All surfaces should be cleaned using a high efficiency particulate air (HEPA) vacuum followed by wet cleaning all visible dust using the wet method (detergent and water). This procedure requires washing with two-buckets using clean rinse water and a detergent solution. Where vacuuming methods are selected, the vacuums shall be used and emptied in a manner which minimizes the reentry of lead into the workplace IAW local state laws. Continue to wipe down all surfaces regularly to prevent lead from reaching high levels. **(RAC 3)**

b. Wipe samples must be collected and analyzed after cleaning. Post-cleaning surface wipe sample results must be less than 200 ug/ft^2, IAW NG Pam 420-15, paragraph 1-4. **(RAC 3)**

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8. **Point of Contacts:** The undersigned at 860-883-6835 or e-mail jose.a.cruzarroyo.mil@mail.mil, and LTC Kathleen King (Occupational Health Nurse) at 860-883-7944.

JOSE A. CRUZ
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Appendix A

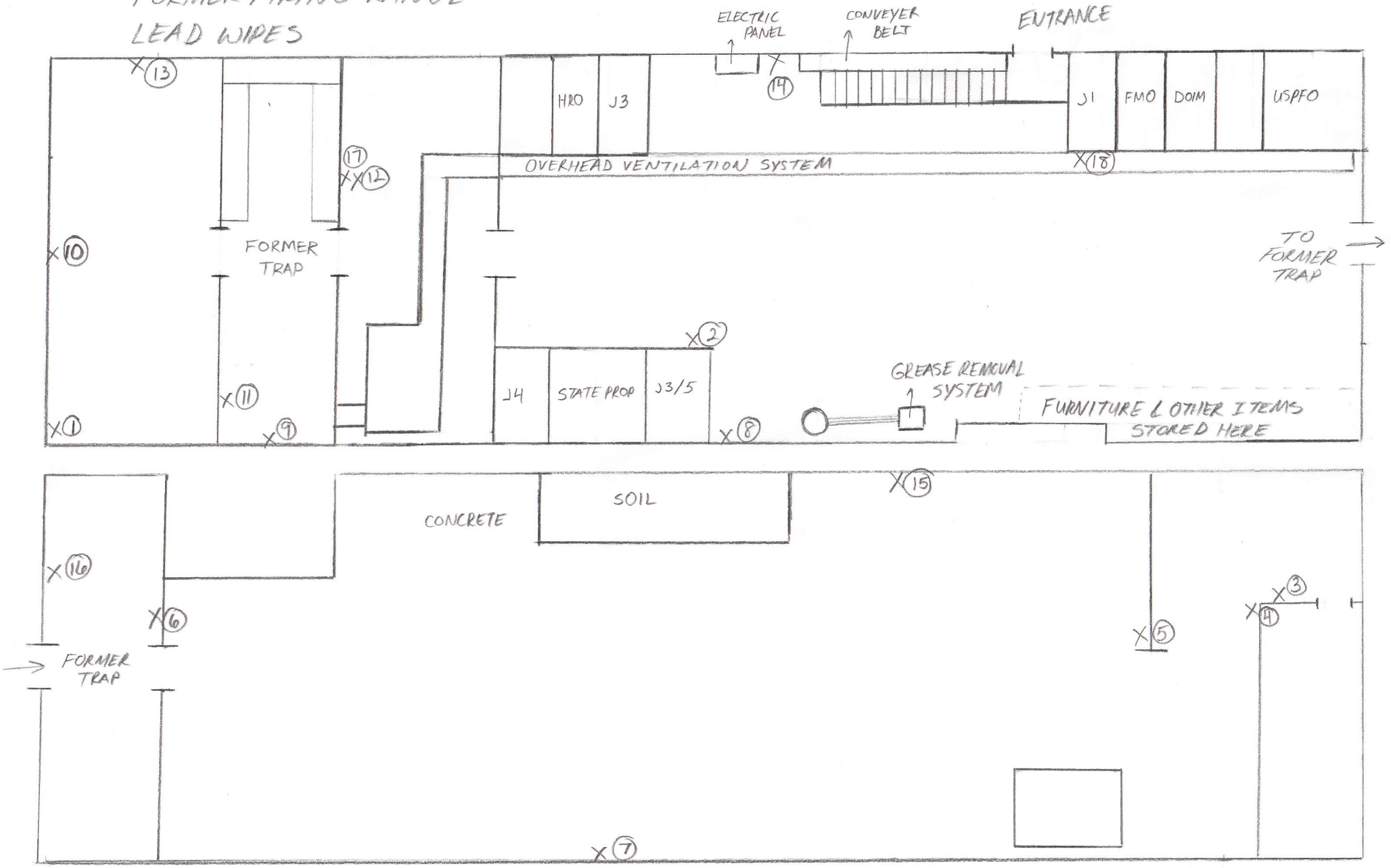
Sampling Locations

HARTFORD ARMORY

FORMER FIRING RANGE

LEAD WIRES

29 JAN 2015



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Appendix B

Lab Results & Chain of Custody

AMA Analytical Services, Inc.

A Specialized Environmental Laboratory

CERTIFICATE OF ANALYSIS

AIHA LAP, LLC ACCREDITED LABORATORY
INDUSTRIAL HYGIENE, ENVIRONMENTAL LEAD & ENVIRONMENTAL MICROBIOLOGY
ISO/IEC 17025:2005
www.aihaaccreditedlabs.org
LAB #100470

Client:	National Guard Bureau	**Job Name:**	Hartford Armory Lead Wipes (Former Firing Range)	**Chain Of Custody:**	523424		
Address:	301-IH Old Bay Lane, Attn: ARNG-CJG-P, State Military Reservation	**Job Location:**	Hartford, CT	**Date Submitted:**	2/2/2015		
	Havre de Grace, Maryland 21078	**Job Number:**	Not Provided	**Person Submitting:**	Jose Cruz		
		P.O. Number:	Not Provided	**Date Analyzed:**	2/8/2015	**Report Date:**	2/9/2015
Attention:	Ken Forsythe						

Summary of Atomic Absorption Analysis for Lead

AMA Sample Number	Client Sample Number	Analysis Type	Sample Type	Air Volume (L)	Area Wiped (ft^2)	Reporting Limit	Total ug	Final Result	Comments
15044390	H 01 FL	Flame	Wipe	****	0.111	90 ug/ft^2	82	740 ug/ft^2	
15044391	H 02 FL	Flame	Wipe	****	0.111	90 ug/ft^2	<10	<90 ug/ft^2	
15044392	H 03 FL	Flame	Wipe	****	0.111	90 ug/ft^2	390	3500 ug/ft^2	
15044393	H 04 Wall	Flame	Wipe	****	0.111	90 ug/ft^2	62	550 ug/ft^2	
15044394	H 05 Wall	Flame	Wipe	****	0.111	90 ug/ft^2	180	1600 ug/ft^2	
15044395	H 06 Wall	Flame	Wipe	****	0.111	90 ug/ft^2	210	1800 ug/ft^2	
15044396	H 07 Wall	Flame	Wipe	****	0.111	90 ug/ft^2	220	2000 ug/ft^2	
15044397	H 08 Wall	Flame	Wipe	****	0.111	90 ug/ft^2	<10	<90 ug/ft^2	
15044398	H 09 Wall	Flame	Wipe	****	0.111	90 ug/ft^2	<10	<90 ug/ft^2	
15044399	H 10 Wall	Flame	Wipe	****	0.111	90 ug/ft^2	<10	<90 ug/ft^2	
15044400	H 11 Wall	Flame	Wipe	****	0.111	90 ug/ft^2	18	160 ug/ft^2	
15044401	H 12 Wall	Flame	Wipe	****	0.111	90 ug/ft^2	<10	<90 ug/ft^2	
15044402	H 13 Wall	Flame	Wipe	****	0.111	90 ug/ft^2	<10	<90 ug/ft^2	
15044403	H 14 Wall	Flame	Wipe	****	0.111	90 ug/ft^2	17	150 ug/ft^2	
15044404	H 15 Wall	Flame	Wipe	****	0.111	90 ug/ft^2	44	400 ug/ft^2	
15044405	H 16 Pillar	Flame	Wipe	****	0.111	90 ug/ft^2	1900	17000 ug/ft^2	
15044406	H 17 Trap (Rear of)	Flame	Wipe	****	0.111	90 ug/ft^2	88	790 ug/ft^2	
15044407	H 18 Vent System	Flame	Wipe	****	0.111	90 ug/ft^2	13	120 ug/ft^2	
15044408	H 19	Flame	Wipe	****	0.111	90 ug/ft^2	<10	<90 ug/ft^2	

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NY ELAP, AIHA, or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.

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A Specialized Environmental Laboratory

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LAB #100470

Client:	National Guard Bureau	**Job Name:**	Hartford Armory Lead Wipes (Former Firing Range)	**Chain Of Custody:**	523424		
Address:	301-IH Old Bay Lane, Attn: ARNG-CJG-P, State Military Reservation	**Job Location:**	Hartford, CT	**Date Submitted:**	2/2/2015		
	Havre de Grace, Maryland 21078	**Job Number:**	Not Provided	**Person Submitting:**	Jose Cruz		
		P.O. Number:	Not Provided	**Date Analyzed:**	2/8/2015	**Report Date:**	2/9/2015
Attention:	Ken Forsythe						

Summary of Atomic Absorption Analysis for Lead

AMA Sample Number	Client Sample Number	Analysis Type	Sample Type	Air Volume (L)	Area Wiped (ft^2)	Reporting Limit	Total ug	Final Result	Comments
15044409	H 20	Flame	Wipe	****	0.111	90 ug/ft^2	<10	<90 ug/ft^2	

Analysis Method for Flame: Air, Wipes, Paints, and Soil/Solids: EPA 600/R-93/200(M)-7000B; Water: SM-3111B

Analysis Method For Furnace: Air, Wipes, Paints, and Soil/Solids : EPA 600/R-93/200(M)-7010; Water: SM-3113B

N/A = Not Applicable mg/Kg = parts per million (ppm) on a dry weight basis mg/L = parts per million (ppm)

%Pb = percent lead on a dry weight basis ug = micrograms ug/L = parts per billion (ppb)

Note: All samples were received in good condition unless otherwise noted.

Note: All results have two significant digits. Any additional digits shown should not be considered when interpreting the result.

Air and Wipe results are not corrected for any blank results

Final results for air and wipe samples are based on client supplied information nor verified by this laboratory.

All results are to be considered preliminary and subject to change unless signed by the Technical Director or Deputy.

See QC Summary for analytical results of quality control samples associated with these samples.

Analyst: Michael Creaghan

Technical Manager: G Edward Carney

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AMA Analytical Services, Inc.
Focused on Results www.amalab.com
AIHA (#100470) NVLAP (#101143-0) NY ELAP (10920)
4475 Forbes Blvd. • Lanham, MD 20706
(301) 459-2640 • (800) 346-0961 • Fax (301) 459-2643

CHAIN OF CUSTODY

(Please Refer To This Number For Inquires) **523424**

1/2

Mailing/Billing Information:
1. Client Name: National Guard Bureau
2. Address 1: 301-111 Old Bay Lane
3. Address 2: ATTN: NGB-ANN-SI, State Military Reservation
4. Address 3: Havre de Grace, Maryland 21078
5. Phone #: (410) 942-0273 X 104 Fax #: (410) 942 0254

Submittal Information:
1. Job Name: Hartford Armory Lead Wipes (Former Firing Range)
2. Job Location: Hartford CT
3. Job #: _____ P.O. #: _____
4. Contact Person: Ken Forsythe @ phone # (410) 942 0273 X 104
5. Submitted by: Jose Cruz Signature: [signature]

Reporting Information (Results will be provided as soon as technically feasible):

AFTER HOURS (must be pre-scheduled)	NORMAL BUSINESS HOURS	REPORT TO:
☐ Immediate Date Due: _____	☐ Immediate ☐ 3 Day	☐ Include COC/Field Data Sheets with Report
☐ 24 Hours Time Due: _____	☐ Next Day ☒ 5 Day +	☒ Email: kenneth.a.forsythe.civ@mail.mil
Comments: _____	☐ 2 Day Date Due: 2/7/15	☐ ~~Fax~~: _____
	☐ Results Required By Noon (Every Attempt Will Be Made to Accomodate)	☐ Verbals: _____

MRM

Asbestos Analysis
PCM Air – Please Indicate Filter Type:
- ☐ NIOSH 7400 _____ (QTY)
- ☐ Fiberglass _____ (QTY)

TEM Air – Please Indicate Filter Type:
- ☐ AHERA _____ (QTY)
- ☐ NIOSH 7402 _____ (QTY)
- ☐ Other (specify _____) _____ (QTY)

PLM Bulk
- ☐ EPA 600 – Visual Estimate _____ (QTY)
- ☐ EPA Point Count _____ (QTY)
- ☐ NY State Friable 198.1 _____ (QTY)
- ☐ Grav. Reduction ELAP 198.6 _____ (QTY)
- ☐ Other (specify _____) _____ (QTY)

MISC
- ☐ Vermiculite
- ☐ Asbestos Soil PLM__(Qual) PLM__(Quan) PLM/TEM__(Qual) PLM/TEM__(Quan)

TEM Bulk
- ☐ ELAP 198.4/Chatfield _____ (QTY)
- ☐ NY State PLM/TEM _____ (QTY)
- ☐ Residual Ash _____ (QTY)

TEM Dust
- ☐ Qual. (pres/abs) Vacuum/Dust _____ (QTY)
- ☐ Quan. (s/area) Vacuum D5755-95 _____ (QTY)
- ☐ Quan. (s/area)Dust D6480-99 _____ (QTY)

TEM Water
- ☐ Qual. (pres/abs) _____ (QTY)
- ☐ ELAP 198.2/EPA 100.2 _____ (QTY)
- ☐ EPA 100.1 _____ (QTY)

☑ All samples received in good condition unless otherwise noted. (TEM Water samples _____ °C)

Metals Analysis
- ☐ Pb Paint Chip _____ (QTY)
- ☒ Pb Dust Wipe (wipe type Ghost Wipe) 15cm X 15cm (QTY) 20
- ☐ Pb Air _____ (QTY)
- ☐ Pb Soil/Solid _____ (QTY)
- ☐ Pb TCLP _____ (QTY)
- ☐ Drinking Water ☐ Pb____(QTY) ☐ Cu____(QTY) ☐ As____(QTY)
- ☐ Waste Water ☐ Pb____(QTY) ☐ Cu____(QTY) ☐ As____(QTY)
- ☐ Pb Furnace (Media _____) _____ (QTY)

Fungal Analysis
Collection Apparatus for Spore Traps/Air Samples: _____
Collection Media _____
- ☐ Spore-Trap _____ (QTY)
- ☐ Surface Swab _____ (QTY)
- ☐ Surface Tape _____ (QTY)
- ☐ Other (Specify _____) _____ (QTY)
- ☐ Surface Vacuum Dust _____ (QTY)
- ☐ Culturable ID Genus (Media _____) _____ (QTY)
- ☐ Culturable ID Species (Media _____) _____ (QTY)

CLIENT ID NUMBER	SAMPLE LOCATION/ IDENTIFICATION	DATE	VOLUME (LITERS)	WIPE AREA	ANALYSIS: TEM	PCM	PLM	LEAD	MOLD	MATRIX: AIR	BULK	DUST	WATER AND OTHER	STONE TRAY	TAPE	SWAB	CLIENT CONTACT (LABORATORY STAFF ONLY)
	H01 Floor	2-Jan-15		4"X4"				X									Date/Time: Contact: By:
	H03 Floor																
	H03 Floor																
	H04 wall																
	H05 wall																Date/Time: Contact: By:
	H06 wall																
	H07 wall																
	H08 wall																
	H09 wall																Date/Time: Contact: By:
	H10 wall																
	H11 wall																
	H12 wall																

LABORATORY STAFF ONLY: (CUSTODY)
1. Date/Time RCVD: 2/2/15 @ 915 Via: Fedex By (Print): MRM Sign: [signature]
2. Date/Time Analyzed: ___/___/___ @ ___ By (Print): _____ Sign: _____
3. Results Reported To: _____ Via: _____ Date: ___/___/___ Time: _____ Initials: _____
4. Comments: _____

AMA Analytical Services, Inc.
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AIHA (#100470) NVLAP (#101143-0) NY ELAP (10920)
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CHAIN OF CUSTODY

(Please Refer To This Number For Inquires) 523424 2/2

Mailing/Billing Information:
1. Client Name: National Guard Bureau
2. Address 1: 301-1H Old Bay Lane
3. Address 2: ATTN: NGB-AVN-SI, State Military Reservation
4. Address 3: Havre de Grace, Maryland 21078
5. Phone #: (410) 942-0273 X 104 Fax #: (410) 942 0254

Submittal Information:
1. Job Name: Hartford Armory Lead Wipes (Former Firing Range)
2. Job Location: Hartford, CT
3. Job #: _____ P.O. #: _____
4. Contact Person: Ken Forsythe @ phone #: (410) 942 0273 X 104
5. Submitted by: Jose Cruz Signature: _____

Reporting Information (Results will be provided as soon as technically feasible):

AFTER HOURS (must be pre-scheduled)	NORMAL BUSINESS HOURS	REPORT TO:
☐ Immediate Date Due: _____	☐ Immediate ☐ 3 Day	☐ Include COC/Field Data Sheets with Report
☐ 24 Hours Time Due: _____	☐ Next Day ☒ 5 Day +	☒ Email: kenneth.forsythe.civ@mail.mil
Comments: _____	☐ 2 Day Date Due: _____	☐ Fax: _____
	☐ Results Required By Noon (Every Attempt Will Be Made to Accomodate)	☐ Verbals: _____

Asbestos Analysis
PCM Air – Please Indicate Filter Type:
- ☐ NIOSH 7400 _____ (QTY)
- ☐ Fiberglass _____ (QTY)

TEM Air – Please Indicate Filter Type:
- ☐ AHERA _____ (QTY)
- ☐ NIOSH 7402 _____ (QTY)
- ☐ Other (specify _____) _____ (QTY)

PLM Bulk
- ☐ EPA 600 – Visual Estimate _____ (QTY)
- ☐ EPA Point Count _____ (QTY)
- ☐ NY State Friable 198.1 _____ (QTY)
- ☐ Grav. Reduction ELAP 198.6 _____ (QTY)
- ☐ Other (specify _____) _____ (QTY)

MISC
- ☐ Vermiculite
- ☐ Asbestos Soil PLM__(Qual) PLM__(Quan) PLM/TEM__(Qual) PLM/TEM__(Quan)

TEM Bulk
- ☐ ELAP 198.4/Chatfield _____ (QTY)
- ☐ NY State PLM/TEM _____ (QTY)
- ☐ Residual Ash _____ (QTY)

TEM Dust
- ☐ Qual. (pres/abs) Vacuum/Dust _____ (QTY)
- ☐ Quan. (s/area) Vacuum D5755-95 _____ (QTY)
- ☐ Quan. (s/area)Dust D6480-99 _____ (QTY)

TEM Water
- ☐ Qual. (pres/abs) _____ (QTY)
- ☐ ELAP 198.2/EPA 100.2 _____ (QTY)
- ☐ EPA 100.1 _____ (QTY)

☐ All samples received in good condition unless otherwise noted. (TEM Water samples _____ °C)

Metals Analysis
- ☐ Pb Paint Chip _____ (QTY)
- ☒ Pb Dust Wipe (wipe type Ghost Wipe) 15cm x 15cm (QTY) 20
- ☐ Pb Air _____ (QTY)
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- ☐ Pb TCLP _____ (QTY)
- ☐ Drinking Water ☐ Pb _____ (QTY) ☐ Cu _____ (QTY) ☐ As _____ (QTY)
- ☐ Waste Water ☐ Pb _____ (QTY) ☐ Cu _____ (QTY) ☐ As _____ (QTY)
- ☐ Pb Furnace (Media _____) _____ (QTY)

Fungal Analysis
Collection Apparatus for Spore Traps/Air Samples: _____
Collection Media _____
- ☐ Spore-Trap _____ (QTY)
- ☐ Surface Swab _____ (QTY)
- ☐ Surface Tape _____ (QTY)
- ☐ Other (Specify _____) _____ (QTY)
- ☐ Surface Vacuum Dust _____ (QTY)
- ☐ Culturable ID Genus (Media _____) _____ (QTY)
- ☐ Culturable ID Species (Media _____) _____ (QTY)

CLIENT ID NUMBER	SAMPLE LOCATION/ IDENTIFICATION	DATE	VOLUME (LITERS)	WIPE AREA	ANALYSIS: TEM	PCM	PLM	LEAD	MOLD	MATRIX: AIR	BULK	DUST	WATER AND OTHER	SPORE TRAP	TAPE	SWAB	CLIENT CONTACT (LABORATORY STAFF ONLY)
	H13 wall	29 Jan 15		11"X4"				X									Date/Time: Contact: By:
	H14 wall																
	H15 wall																
	H16 pillar																
	H17 Hall (rear of)																Date/Time: Contact: By:
	H18 vent system																
	H19																
	H20																
																	Date/Time: Contact: By:

LABORATORY STAFF ONLY: (CUSTODY)
1. Date/Time RCVD: ___/___/___ @ ___ Via: ___ By (Print): ___ Sign: ___
2. Date/Time Analyzed: ___/___/___ @ ___ By (Print): ___ Sign: ___
3. Results Reported To: ___ Via: ___ Date: ___/___/___ Time: ___ Initials: ___
4. Comments: ___