

City of Lynchburg
Procurement Division
900 Church Street
Lynchburg, Virginia 24504
Telephone No.: (434) 455-3970
Fax No.: (434) 845-0711

**Addendum for Invitation for Bids
Window Repairs and Improvements for the Lynchburg City Armory
2016-073**

Date: 06/15/2016
From: Lisa Moss, Buyer VCA
RE: Addendum No. 2

This Addendum supplements and amends the original Plans and Specifications and shall be taken into account in preparing proposals and shall become a part of the Contract Documents. The Bidder shall indicate receipt of this Addendum and all previously issued Addenda on the Bid Form.

**REVISION TO BID SUBMISSION DATE: BIDS WILL BE RECEIVED UNTIL
4:00 P.M. ON JUNE 23, 2016.**

Asbestos Report attached.

Company Name: _____ Address: _____ Date: _____

Authorized Signature: _____ Title: _____

Print Name: _____ Telephone No.: _____ Fax No.: _____



June 13, 2016



Mr. Scott Glass, AIA
Facilities Manager
The City of Lynchburg, Virginia
Public Works Department
Buildings & Grounds Division
800 Orchard Street, Lynchburg, VA 24501

Via Email

Re: Pre-Renovation Asbestos and Lead-based Paint Inspection(s)
City Armory- Lynchburg, VA
H&P Project No.:20160677

Dear Mr. Evans:

Hurt & Proffitt, Inc. (H&P) is pleased to provide this document and enclosures as the final report for the asbestos and lead-based paint assessment associated with the proposed window renovations throughout the City Armory in Lynchburg, Virginia.

The assessment was performed on May 31st, 2016 by H&P representative, Mr. Robert Sears. Mr. Sears is a DPOR licensed asbestos inspector, a copy of his license is enclosed for your review.

Asbestos Survey and Laboratory Procedures

Physical Inspection and sample collection was performed throughout proposed renovation areas of the City Armory. In order to determine the extent and locations of asbestos-containing materials and potential degree of abatement activities to take place for the renovation; all exterior areas of the building were inspected for the presence of suspect asbestos-containing building materials (ACBMs).

Eight (8) suspect bulk samples were collected and logged on chain-of-custody forms as representative of suspect homogenous materials (based on material type, color, texture, etc.), from the functional spaces as they were determined by visual observations in the field.

The suspect asbestos samples were submitted for analysis by EPA Method No. 600/R-93/116 and 600/M4-82-020 (polarized light microscopy (PLM)). All samples were analyzed by SanAir Technologies Laboratory of Powhatan, Virginia, a NVLAP accredited laboratory licensed to perform asbestos bulk analysis within the State of Virginia.

Table I on the following page illustrates the sample identification number, material description/location estimated quantity, analytical results as received from the laboratory and the current condition and friability.



Mr. Scott Glass
 RE: Pre-Renovation Asbestos and Lead-based Paint Inspection(s)
 City Armory- Lynchburg, VA
 H&P Project No.:20160677
 June 13, 2016

**Table I
 Suspect Asbestos Bulk Samples Collected**

Sample No.	Material Description/ Location	Estimated Quantity	Lab Results (% Asbestos)	Condition/ Friable Y/N
EXWGL-01 A,B,C	WHITE EXTERIOR WINDOW GLAZING	NA	NONE DETECTED	NA
EXWCLK-02 A,B,C	BLACK EXTERIOR WINDOW CAULK	Each Window Throughout To Be Quantified by Abatement Contractor	7% CHRYSTILE	FAIR / CAT. I NON- FRIABLE
EXWGL-03A	RED EXTERIOR WINDOW GLAZING	NA	NONE DETECTED	NA
IWC-04 A	OFF WHITE INTERIOR WINDOW CAULK	NA	NONE DETECTED	NA

NA=Not Addressed, N/A Not Applicable; PACM= Presumed Asbestos-Containing Materials

Discussion and Recommendations

Asbestos

In order to obtain a renovation permit, this report must accompany the application to the county, town and/or city for which the work is to take place. It is the responsibility of the contractor performing the abatement and/or building renovation activities that the proper permits are obtained.

Local, state and federal law requires regulated asbestos-containing materials (RACM) to be removed prior to renovation. The definition of RACM as defined by the US EPA NESHAPs as follows:

"Regulated Asbestos-Containing Material" (RACM) is (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.

The following is recommended for removal prior to disturbance:

Cat. I Non-Friable Exterior Window Caulk (Black)

Additional Recommendations and Requirements:

It is recommended that a Virginia DPOR licensed asbestos abatement contractor perform the removal of the asbestos-containing materials described within this report. It is required that an asbestos abatement notification be submitted to the Virginia DOLI or US EPA NESHAPs division prior to abatement.

It is required that the abatement process be monitored by a third party asbestos abatement project monitoring firm, which will help maintain the integrity of the abatement process, solidify that the abatement process has been completed correctly, through final visual clearance inspection(s) and final air clearance sampling , within the building to illustrate that asbestos concentrations are below 0.01 f/cc as prescribed within the U.S. EPA ASHARA regulations and NESHAPs for OSHA clearances and re-



Mr. Scott Glass

RE: Pre-Renovation Asbestos and Lead-based Paint Inspection(s)
City Armory- Lynchburg, VA
H&P Project No.:20160677

June 13, 2016

occupancy. The asbestos air sampling and analysis will be performed in compliance with NIOSH 7400 Phase Contrast Microscopy (PCM) methodologies. The third party monitoring will reduce the liability for which the Contractor and the City of Lynchburg may incur if there should happen to be a violation determined by state and/or federal code enforcement personnel, ie: Virginia Department of Labor and Industry, US EPA NESHAPs Division.

Additional ACM/PACM may exist (undetected and/or inaccessible) in portions of the building associated with the window systems; if additional suspect materials are found during the abatement activities or restoration activities, all work on the site must stop and the newly discovered materials sampled by a Virginia licensed asbestos building inspector and evaluated for asbestos content.

Our recommendations are based on the guidelines presented by the EPA, State of Virginia and OSHA. Any conditions discovered which deviate from the data contained in this report should be presented to us for our evaluation.

Sampling and Analysis for LBP

Evaluation of coated surfaces was performed by means of collecting paint chip samples from building components identified during the site assessment. The paint chip samples were collected using a manual paint scraper. The removed paint chips were collected in a piece of clean construction paper for transfer into plastic centrifuge tubes. Each container was sealed with a screw-on cap and labeled with a unique sample number. Pertinent information for each sample including date of collection, location, color and condition of the surface coatings were recorded on a sampling log form. After sample collection, each sample site was cleaned of extraneous debris. Locations where paint-chip samples were collected were noted.

The paint chip samples collected during the assessment were logged onto chain-of custody forms, packaged with custody seals, and delivered by Federal Express to the analytical laboratory, SanAir Technologies Laboratory Inc. of Powhatan, VA. SanAir is licensed by the Commonwealth of Virginia for Lead analysis. SanAir analyzed the paint chip samples for Lead content following EPA's Method SW 846/3051A/6010B (preparation by microwave-assisted acid digestion followed by analysis via inductively coupled plasma). Analytical results were reported as parts per million (ppm, ug/g) and converted to percent Lead by weight. A copy of the analytical laboratory report is enclosed for your review.

Table II illustrates the analytical results and details about the paint chip samples collected during the assessment.

Table II
Suspect LBP Paint Chip Samples Collected

Sample Number	Building Component / Room	Color	Substrate	Condition	Lead Content % weight
<i>L-01</i>	<i>INTERIOR WINDOW</i>	<i>BLACK</i>	<i>METAL</i>	<i>GOOD</i>	<i>6.7417%</i>
<i>L-02</i>	<i>EXTERIOR WINDOW</i>	<i>GREEN/GRAY</i>	<i>METAL</i>	<i>GOOD</i>	<i>0.0818%</i>

Values in ***BOLD ITALICS*** exceed the regulation-defined value for lead-based paint. Values in *ITALICS* exceed the regulation-defined value for lead-containing paint.



Mr. Scott Glass

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June 13, 2016

Discussion and Recommendations

Lead-Based Paint

The U.S. Environmental Protection Agency (EPA) in regulation 40 CFR Part 745 authorized by the Toxic Substances Control Act (TSCA); and the U.S. Department of Housing and Urban Development (US HUD) in *Guidelines for the Control of Lead-based Paint Hazards in Housing*; define Lead-based Paint (LBP) as any surface coating containing an amount of Lead equal to or greater than one-half (0.5%) percent by weight of the entire coating material. This is the applicable standard for the regulation of paint in housing and child-occupied facilities; and this standard is a generally accepted definition of Lead-based paint. Compliance with provisions of US EPA and US HUD regulations and standards pertaining to housing are applicable when commercial buildings are converted to residential use.

The U.S. Consumer and Product Safety Commission has published a standard that requires that surface coatings intended for use in occupied building interiors contain no greater than 0.06% Lead content by weight. Surface coatings that meet this requirement are referred to as CPSC Compliant in this report. Surface coatings that contain less than 0.5% and more than 0.06% Lead by weight are referred to as Lead-containing Paint (LCP) in this report.

US Occupational Health and Safety Administration (OSHA) regulation 29 CFR 1926.62 regulates Lead exposures at any level to the construction workforce where Lead-based Paint and Lead-containing Paint will be disturbed in construction, demolition and renovation operations. OSHA regulation 29CFR1910.1200, Hazard Communication, requires that employers inform their employees about chemical hazards (including Lead) that are present in the workplace.

Building renovation where LBP is present must comply with the OSHA regulation 29 CFR 1926.62, Lead in Construction; and US EPA waste disposal regulations found in 40 CFR Part 261. OSHA regulations are designed to limit exposure of the construction workforce to Lead which is a well-documented toxic element. The primary route of exposure OSHA regulations are concerned with is the inhalation of Lead-containing dust generated by renovation operations within the building. These hazards are assessed by measuring the Lead concentration in air when renovation operations are initiated; a procedure called a *negative exposure assessment*. The OSHA defined Permissible Exposure Limit (PEL) for Lead is 50 micro-grams (ug) of Lead per cubic-meter (m³) air.

Analysis of paint-chip samples collected across the site has demonstrated that substantial quantities of LBP are present in association with the interior windows and window frames.

Analysis of paint-chip samples collected across the site has demonstrated that substantial quantities of LCP are present in association with the exterior windows and window frames.

Construction contractors employed to remove the interior and exterior windows and window frames will have to comply with the OSHA Lead in Construction regulations.

It would be prudent for the Building Owner to implement and document the following in response to the likely presence of Lead-dust hazards and documented Lead-based paint hazards in the building:

- Prior to any large scale effort to remove the contents of the building or disturb/demolish building surfaces where LBP is known or suspected to be present, conduct a negative exposure assessment using trained workers wearing respiratory protection and protective clothing in compliance with 29CFR1926.62.
- Notify any person employed by the Owner to work in the building about the potential Lead-dust hazard and the LBP hazards. Instruct such worker in the importance of the use of proper personal hygiene practices and work practices (use of wet methods and HEPA vacuums) by providing



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them with the EPA-approved pamphlet *Renovate Right: Important Lead Hazard Information for Families, Child Care Providers and Schools*.

- The US OSHA regulation 29 CFR 1910.1200-Hazard Communication, requires that employers must inform employees about chemical hazards in the workplace. Construction contractors employed to demolish the building components within the site must be furnished a copy of this report.

Waste disposal for concentrated LBP debris (paint chips and scrapings, HEPA vacuum contents, protective suits, drop cloths, etc.) and for building components coated with LBP is regulated under 40 CFR Part 261 and/or 29CFR1910.1200. If the components and debris are to be disposed in a landfill as demolition debris, the components and debris must be contained and tested to determine if it is hazardous waste. The waste is tested by means of the Toxicity Characteristic Leaching Procedure (TCLP) for Lead. A representative sample of the demolition waste debris is collected by a competent person and submitted to a certified laboratory for the TCLP-Lead analysis. Debris leaching five parts-per-million (5 ppm) or more of Lead is hazardous and must be disposed of in specially permitted facilities. If the components are to be salvaged, restored or reused; whoever receives and works on these components must be notified in writing about the presence of LBP.

Closing

Thank you for allowing us the opportunity to provide consulting services. Should you have any questions please call me at (434) 847-7796 ext 691. It was a pleasure working with you on this project and I hope we can be of service to you in the future.

Sincerely,

HURT & PROFFITT, INC

W. Chris Nixon
Director of Environmental Services

Enclosures: Asbestos Inspector License
SanAir Technologies Laboratory Results

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
COMMONWEALTH OF VIRGINIA

EXPIRES ON
07-31-2016

9960 Mayland Dr., Suite 400, Richmond, VA 23233
Telephone: (804) 367-8500

NUMBER
3303004085

BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS
ASBESTOS INSPECTOR LICENSE

ROBERT ALLEN SEARS III
1810 GOUGH ROAD
RUSTBURG, VA 24588



Jay W. DeBoer
Jay W. DeBoer, Director

ALTERATION OF THIS DOCUMENT, USE AFTER EXPIRATION, OR USE BY PERSONS OR FIRMS OTHER THAN THOSE NAMED MAY RESULT IN CRIMINAL PROSECUTION UNDER THE CODE OF VIRGINIA.

(SEE REVERSE SIDE FOR NAME AND/OR ADDRESS CHANGE)

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON

06-30-2017

NUMBER

3303004163

BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS
ASBESTOS INSPECTOR LICENSE



TRAVIS DUANE RILEY
3029 JOHNSON CREEK ROAD
EVINGTON, VA 24550



Jay W. DeBoer
Jay W. DeBoer, Director

Status can be verified at <http://www.dpor.virginia.gov>

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (05/2015)

SanAir Technologies Laboratory

Analysis Report prepared for Hurt & Proffitt, Inc.

Report Date: 6/8/2016
Project Name: Lynchburg Armory
Project #: 20160677
SanAir ID#: 16018522



NVLAP LAB CODE 200870-0



Certification # 652931



License # LAB0166



804.897.1177

www.sanair.com



SanAir Technologies Laboratory, Inc.

1551 Oakbridge Drive, Suite B, Powhatan, VA 23139
804.897.1177 Toll Free: 888.895.1177 Fax: 804.897.0070
Web: <http://www.sanair.com> E-mail: iaq@sanair.com

Hurt & Proffitt, Inc.
2524 Langhorne Road
Lynchburg, VA 24501

June 8, 2016

SanAir ID # 16018522
Project Name: Lynchburg Armory
Project Number: 20160677

Dear Rob Sears,

We at SanAir would like to thank you for the work you recently submitted. The 8 sample(s) were received on Wednesday, June 01, 2016 via FedEx. The final report(s) is enclosed for the following sample(s): EXWGL-01-A, EXWGL-01-B, EXWGL-01-C, EXWCLK-02-A, EXWCLK-02-B, EXWCLK-02-C, EXWGL-03-A, IWC-04-A.

These results only pertain to this job and should not be used in the interpretation of any other job. This report is only complete in its entirety. Refer to the listing below of the pages included in a complete final report.

Sincerely,

Sandra Sobrino
Asbestos & Materials Laboratory Manager
SanAir Technologies Laboratory

Final Report Includes:

- Cover Letter
- Analysis Pages
- Disclaimers and Additional Information

sample conditions:

8 sample(s) in Good condition



SanAir Technologies Laboratory, Inc.

1551 Oakbridge Drive, Suite B, Powhatan, VA 23139
804.897.1177 Toll Free: 888.895.1177 Fax: 804.897.0070
Web: <http://www.sanair.com> E-mail: iaq@sanair.com

SanAir ID Number

16018522

FINAL REPORT

Name: Hurt & Proffitt, Inc.
Address: 2524 Langhorne Road
Lynchburg, VA 24501

Project Number: 20160677
P.O. Number:
Project Name: Lynchburg Armory

Collected Date: 5/31/2016
Received Date: 6/1/2016 10:45:00 AM
Report Date: 6/8/2016 5:24:49 PM
Analyst: Robertson, Erin

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
EXWGL-01-A / 16018522-001 Exterior Window Glazing	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
EXWGL-01-B / 16018522-002 Exterior Window Glazing	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
EXWGL-01-C / 16018522-003 Exterior Window Glazing	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
EXWCLK-02-A / 16018522-004 Exterior Window Caulk	Black Non-Fibrous Homogeneous		93% Other	7% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
EXWCLK-02-B / 16018522-005 Exterior Window Caulk				Not Analyzed

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
EXWCLK-02-C / 16018522-006 Exterior Window Caulk				Not Analyzed

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
EXWGL-03-A / 16018522-007 Exterior Window Glazing	Red Non-Fibrous Homogeneous		100% Other	None Detected

Certification

Analyst: *Erin Robertson*
Analysis Date: 6/8/2016

Approved Signatory: *Sandra Sobiering*
Date: 6/8/2016



SanAir Technologies Laboratory, Inc.

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804.897.1177 Toll Free: 888.895.1177 Fax: 804.897.0070
Web: <http://www.sanair.com> E-mail: iaq@sanair.com

SanAir ID Number

16018522

FINAL REPORT

Name: Hurt & Proffitt, Inc.
Address: 2524 Langhorne Road
Lynchburg, VA 24501

Project Number: 20160677
P.O. Number:
Project Name: Lynchburg Armory

Collected Date: 5/31/2016
Received Date: 6/1/2016 10:45:00 AM
Report Date: 6/8/2016 5:24:49 PM
Analyst: Robertson, Erin

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
IWC-04-A / 16018522-008 Interior Window Caulk	Off-White Non-Fibrous Homogeneous		100% Other	None Detected

Certification

Analyst: *Erin Robertson*
Analysis Date: 6/8/2016

Approved Signatory: *Sandra Sobino*
Date: 6/8/2016



1551 Oakbridge Drive Suite B
Powhatan, VA 23139
804-897-1177 / 888-895-1177
Fax 804-897-0070
www.sanair.com

**Asbestos
Chain of Custody**

SanAir ID Number
16618522

Company: Hurt & Proffitt, Inc		Project #: 20160677	Collected by: Rob Sears
Address: 2524 Langhorne Road		Project Name: Lynchburg Armory	Phone #: 4346658243
City, St., Zip: Lynchburg, Va 24501		Date Collected: 5/31/16	Fax #: 4348470046
State of Collection: Va	Account#:	P.O. Number:	Email: r.sears@handp.com

Bulk		Air		Soil/Vermiculite	
ABB	PLM EPA 600/R-93/116 <input checked="" type="checkbox"/>	ABA	PCM NIOSH 7400 <input type="checkbox"/>	ABSE	PLM EPA 600/R-93/116 (Qual.) <input type="checkbox"/>
	Positive Stop <input checked="" type="checkbox"/>	ABA-2	OSHA w/ TWA* <input type="checkbox"/>	ABSP	PLM CARB 435 (LOD <1%) <input type="checkbox"/>
ABEPA	PLM EPA 400 Point Count <input type="checkbox"/>	ABTEM	TEM AHERA <input type="checkbox"/>	ABSP1	PLM CARB 435 (LOD 0.25%) <input type="checkbox"/>
ABB1K	PLM EPA 1000 Point Count <input type="checkbox"/>	ABATN	TEM NIOSH 7402 <input type="checkbox"/>	ABSP2	PLM CARB 435 (LOD 0.1%) <input type="checkbox"/>
ABBEN	PLM EPA NOB <input type="checkbox"/>	ABT2	TEM Level II <input type="checkbox"/>		
ABBCH	TEM Chatfield <input type="checkbox"/>				
ABBTM	TEM EPA NOB <input type="checkbox"/>				
Water		New York ELAP		Dust	
ABHE	EPA 100.2 <input type="checkbox"/>	PLM NY	PLM EPA 600/M4-82-020 <input type="checkbox"/>	ABWA	TEM Wipe ASTM D-6480 <input type="checkbox"/>
		ABEPA2	NY ELAP 198.1 <input type="checkbox"/>	ABDMV	TEM Microvac ASTM D-5755 <input type="checkbox"/>
		ABENY	NY ELAP 198.6 PLM NOB <input type="checkbox"/>	Matrix	Other <input type="checkbox"/>
		ABBNY	NY ELAP 198.4 TEM NOB <input type="checkbox"/>		

Turn Around Times	3 HR (4 HR TEM) <input type="checkbox"/>	6 HR (8HR TEM) <input type="checkbox"/>	12 HR <input type="checkbox"/>	24 HR <input type="checkbox"/>
	2 Days <input type="checkbox"/>	3 Days <input type="checkbox"/>	4 Days <input type="checkbox"/>	5 Days <input checked="" type="checkbox"/>

Special Instructions: *email copy of results to wcnr@handp.com*

Sample #	Sample Identification/Location	Volume or Area	Sample Type	Flow Rate*	Time* Start - Stop
<i>EXWGL-01-ABC</i>	<i>Exterior Window Glazing (White)</i>		<i>ABB</i>		
<i>EXWCLK-02-ABC</i>	<i>Exterior Window Caulk</i>		<i>↓</i>		
<i>EXWGL-03-ABC</i>	<i>Exterior Window Glazing (Red)</i>				
<i>IWC-04-A</i>	<i>Interior Window Caulk</i>				

Relinquished by	Date	Time	Received by	Date	Time
Rob Sears	<i>5/31/16</i>	to Fedex	<i>[Signature]</i>	<i>JUN 01 2016</i>	<i>10:45</i>

Unless scheduled, the turn around time for all samples received after 3 pm EST Friday will begin at 8 am Monday morning. Weekend or Holiday work must be scheduled ahead of time and is charged for rush turn around time. Work with standard turn around time sent Priority Overnight and Billed to Recipient will be charged a \$10 shipping fee.

Disclaimer

The final report cannot be reproduced, except in full, without written authorization from SanAir. Fibers smaller than 5 microns cannot be seen with this method due to scope limitations. The accuracy of the results is dependent upon the client's sampling procedure and information provided to the laboratory by the client. SanAir assumes no responsibility for the sampling procedure and will provide evaluation reports based solely on the sample and information provided by the client. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government.

For NY state samples, method EPA 600/M4-82-020 is performed.

Polarized- light microscopy is not consistently reliable in detecting asbestos in floor covering and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

NY ELAP lab ID 11983

SanAir Technologies Laboratory

Analysis Report prepared for Hurt & Proffitt, Inc.

Report Date: 6/7/2016
Project Name: Lynchburg Armory
Project #: 20160677
SanAir ID#: 16018523



NVLAP LAB CODE 200870-0



Certification # 652931



License # LAB0166



804.897.1177

www.sanair.com



SanAir Technologies Laboratory, Inc.

1551 Oakbridge Drive, Suite B, Powhatan, VA 23139
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Hurt & Proffitt, Inc.
2524 Langhorne Road
Lynchburg, VA 24501

June 7, 2016

SanAir ID # 16018523
Project Name: Lynchburg Armory
Project Number: 20160677

Dear Rob Sears,

We at SanAir would like to thank you for the work you recently submitted. The 2 sample(s) were received on Wednesday, June 01, 2016 via FedEx. The final report(s) is enclosed for the following sample(s): L-01, L-02.

These results only pertain to this job and should not be used in the interpretation of any other job. This report is only complete in its entirety. Refer to the listing below of the pages included in a complete final report.

Sincerely,

SanAir Technologies Laboratory

Final Report Includes:
- Cover Letter
- Analysis Pages
- Disclaimers and Additional Information

sample conditions:
2 sample(s) in Good condition



SanAir Technologies Laboratory, Inc.

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Web: <http://www.sanair.com> E-mail: iaq@sanair.com

SanAir ID Number

16018523

FINAL REPORT

Name: Hurt & Proffitt, Inc.
Address: 2524 Langhorne Road
Lynchburg, VA 24501

Project Number: 20160677
P.O. Number:
Project Name: Lynchburg Armory

Collected Date: 5/31/2016
Received Date: 6/1/2016 10:45:00 AM
Report Date: 6/7/2016 9:10:59 AM
Analyst: Peterson, Chelsea

Lead Paint Analysis

Test Method: SW846/3050B/7000B

NOTE: $\mu\text{g/g}=\text{ppm}$

Sample	Description	$\mu\text{g Pb}$ in Sample	Sample Size (grams)	Calculated RL	Sample Result	Sample Result
16018523-001	L-01 / Black Interior Window	8366	0.1241	80.6	67417.3 $\mu\text{g/g}$ (ppm)	6.7417 % By Weight

Test Method: SW846/3050B/7000B

NOTE: $\mu\text{g/g}=\text{ppm}$

Sample	Description	$\mu\text{g Pb}$ in Sample	Sample Size (grams)	Calculated RL	Sample Result	Sample Result
16018523-002	L-02 / Gray/ Green Exterior Window	123	0.1505	66.4	818.2 $\mu\text{g/g}$ (ppm)	0.0818 % By Weight

Method Reporting Limit <10 $\mu\text{g}/0.1\text{ g}$ paint

SanAir Technologies Laboratory, Inc participates in the AIHA ELPAT for environmental Lead.
AIHA Lab Id: 162952

Certification

Signature: *C. Peterson*
Date: 6/2/2016

Reviewed: *Doug Pracey*
Date: 6/2/2016

SanAir Technologies Laboratory, Inc.

1551 Oakbridge Drive, Suite B - Powhatan, VA 23139
 804-897-1177 / 888-895-1177 / Fax 804-897-0070
 www.sanair.com

**Metals & Lead
 Chain of Custody**

SanAir ID Number
 10018523

Company: Hurt & Proffitt, Inc		Project #: 20160677	Phone #: 434-847-7796
Address: 2524 Langhorne Road		Project Name: Lynchburg Armory	Phone #: 434-665-8243
City, St., Zip: Lynchburg, Virginia 24501		Date Collected: 5/31/16	Fax #: 434-847-0096
Samples Collected By:		P.O. Number:	Email: r.sears@handp.com

Matrix

Metals Analysis Types

<input type="checkbox"/> Air	<input type="checkbox"/> Aqueous	<input type="checkbox"/> Bulk	<input checked="" type="checkbox"/> Total Concentration of Lead	<input type="checkbox"/> Other:
<input checked="" type="checkbox"/> Paint	<input type="checkbox"/> Sludge	<input type="checkbox"/> Soil	<input type="checkbox"/> TCLP Lead	
<input type="checkbox"/> Solid	<input type="checkbox"/> Wipe	<input type="checkbox"/> Water, DW	<input type="checkbox"/> GFAA	
<input type="checkbox"/> Dust	<input type="checkbox"/> Sludge	<input type="checkbox"/> Wastewater	<input type="checkbox"/> TCLP / RCRA Metals	
<input type="checkbox"/> Other:			<input type="checkbox"/> TCLP/ Full (w/ organics)	

*Turn Around Times	<input type="checkbox"/> Same Day	<input type="checkbox"/> 1 Day	<input type="checkbox"/> 2 days	<input type="checkbox"/> 3 Days
	Standard (5 day) <input checked="" type="checkbox"/>	Full TCLP (10d) <input type="checkbox"/>	Weekend <input type="checkbox"/>	

*Courier charge for same day and 1 day TAT.

Sample #	Sample Identification/Location	Sample Type	Volume or Area
L-01	Black Interior Window	Paint	
L-02	Gray/Green Exterior Window	Paint	
SanAir Technologies Laboratory			

Special Instructions	Please Email Results to wcn@handp.com
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Relinquished by	Date	Time	Received by	Date	Time
Rob Sears	5/31/16	To FedEx	EM	JUN 01 2016	10:45

Unless scheduled, the turn around time for all samples received after 5 pm Friday will begin at 8 am Monday morning. Weekend or Holiday work must be scheduled ahead of time and is charged for rush turn around time. Work with standard turn around time sent Priority Overnight and Billed To Recipient will be charged a shipping fee.

Disclaimer

- Results relate only to the items tested
- Results are not corrected for blanks
- All quality control results are acceptable unless otherwise noted
- SanAir Technologies Laboratory, Inc is not responsible for sample collection or interpretation made by others
- This report does not constitute endorsement by AIHA/NVLAP and/or any other U.S. governmental Agencies; and may not be certified by every local, state or federal regulatory agencies
- SanAir Technologies Laboratory, Inc only assures the precision and accuracy of the data it generates and assumes no responsibility for errors or biasing that occur during collection prior to SanAir's receipt of the the sample.
- SanAir's Method Detection Limits (MDL) and Reporting Limits (RL) have been derived using wipe materials meeting ASTM-E1792. The MDL and RL may not be relevant or applicable for other forms of wipe materials.

ea s re imi s

ir

1.5 µg/m ³	EPA National Ambient Air Quality Standard (Quality Time – Weight Average)
30 µg/m ³	OSHA Action Level (8-hour time weighted average)
50 µg/m ³	OSHA Permissible Exposure Limit (General Industry)
50 µg/m ³	OSHA Permissible Exposure Limit (Construction)

D s

40 µg/ft ²	HUD Clearance Level for Floors
250 µg/ft ²	HUD Clearance Level for Interior Window Sills
400 µg/ft ²	HUD Clearance Level for Window Troughs

a er

15 ppb (µg/liter)	EPA Maximum Containment Level
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ai

0.5% by weight	HUD definition of lead based paint
1.0 mg/cm ²	
5000 ppm	

il

400 ppm	HUD-Play areas and high-contact areas for children
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