

Asbestos and Lead Paint Survey

Former Lexington Candy Factory
206 E. 3rd Avenue
Intersection of 3rd Avenue and Railroad Street
Lexington, North Carolina 27292

Prepared for:

Ms. Tammy Absher
Planning Division
City of Lexington
31 W. First Street
Lexington, NC 27292

Prepared by:

URS Corporation – North Carolina
6000 Fairview Road Suite 200
Charlotte, NC 28210

October 17, 2014



Christopher Rocco
Senior Environmental Scientist

This report has been prepared for the exclusive use of the City of Lexington, North Carolina, Shook Kelley, and affiliates thereof. Results are based solely upon the methodology stated in this report and the report should be relied upon in its entirety. Any reliance a third party makes of this report is the responsibility of such third party.

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SECTION 1

1.1 Survey Summary Sheet

PROPERTY INFORMATION:

Building Name/Description:
Former North Carolina Candy
 Factory

Date of Construction: 1896

Address: 206 E. 3rd Avenue

Building Size (sq. ft.): ~30,000

City, State, Zip: Lexington, NC 27292

Asbestos-Containing Materials (ACMs)	Lead-Based Paint
Survey Date: <u>July 18, 2014</u> By Whom: <u>URS Corporation – North Carolina (URS)</u> Firm <u>Christopher Rocco</u> Inspector <u>CONSULTBI BI-00695</u> License #	Survey Date: <u>July 18, 2014</u> By Whom: <u>URS Corporation – North Carolina</u> Firm <u>Christopher Rocco</u> Inspector _____ Certification #
Results: (Additional detail provided in Table 1) Number of material types sampled: <u>16</u> Number of samples collected: <u>44</u> Number of materials testing positive: <u>7</u> Was friable ACM found? Yes Were roofing materials sampled? Yes Are there unique state or local requirements? <u>No</u> (If Yes, See Section 5)	Results: (Additional detail provided in Table 2) Number of Colorimetric Swab Samples taken: _____ Number of swabs testing positive: _____ Number of paint samples analyzed: <u>56</u> Number of paint samples testing positive: <u>10</u> Are there federal, state or local requirements? No (If Yes, See Section 5)
Laboratory utilized: Name: <u>EMSL</u> Address: <u>Charlotte, North Carolina</u>	Was laboratory utilized? If so: Name: <u>EMSL</u> Address: <u>Charlotte, North Carolina</u>
Building Access Limitations (if any): Poor lighting; difficult to discern any variances of Building materials	Building Access Limitations (if any): Poor lighting; difficult to discern any variances of Paint colors
Comments:	Comments

SECTION 1

1.2 Results Summary

ACM SURVEY RESULTS

The descriptions, locations, quantities, condition assessments, and sampling results of suspect ACMs identified during the survey are summarized in Table 1.

TABLE 1

MTL #	MATERIAL DESCRIPTION	SAMPLE IDs	LOCATION	F/NF ₁	COND. ₂	% ACM	# SAMP.	QUANTITY
1	White skim Coat; 3 separate layers (coarse/medium/fine)	SC-1 SC-2 SC-3	Building A – Former Veneer Storage room	F, due to condition	Poor	None Detected	3	700 SF
2	12"x12" black vinyl floor tile	FT-1 FT-1a	Building D – woodworking shop area	NF	Good	None Detected	2	20 SF
3	12"x12" light green vinyl floor tile	FT-2 FT-2a		NF	Good	None Detected	2	20 SF
4	12"x12" white vinyl floor tile and associated orange mastic	FT-3 FT-3a		NF	Good	None Detected	2	144 SF
5	2'x2' ceiling tile; white	CT-1 CT-1a		F	Good	None Detected	2	144 SF
6	White pipe insulation	TSI-1 TSI-2 TSI-3	Above Building F on roof	F	Fair to Poor	65% Chrysotile 15% Amosite	3	30 LF
7	Roofing, Roof Patch and Roof Mastic	RM-1/1a RP-1/1a RMS-1/1a	Roof of Buildings A, B, and C	NF	Fair	Silver Paint – 5% Chysotile; Mastic – 8% Chrysotile	6	Roofing: 5,000 SF Patch: 1,000 SF Mastic: 750 SF
8	Roofing, Roof Patch and Roof Mastic	RM-2/2a RP-2/2a RMS-2/2a	Roof of Building F – former cafeteria	NF	Fair	Mastic – 10% Chrysotile	6	Roofing: 3,500 SF Patch: 750 SF Mastic: 500 SF
9	White Roof Cover	RM-3/3a	Building G – former finishing room and office	NF	Fair	None Detected	2	6,000 SF
10	Drywall	DW-2/2a	Building I – former display room and office	F	Poor	None detected	2	300 SF
11	9"x9" floor tile and associated mastic	FT-4/4a		F, due to condition	Poor	Tile: 5% Chrysotile Mastic: 8% Chrysotile	2	2,000 SF
12	Levelling Compound	LC-1 LC-1a LC-1b		F	Poor	None detected	3	200 SF
13	Spray Booth insulation	SP-1 SP-1a SP-1b	Building G – former finishing room and office	F	Fair	None Detected	3	200 SF
14	Window Glazing	WG-1 WG-1a		F	Poor	None Detected	2	200 LF
15	Transite Fencing – green	TF-1 TF-1a	Outdoor areas in courtyard	NF	Fair	15% Chrysotile	2	300 SF
16	Drywall	DW-1 DW-1a	Building C – former woodworking shop	F	Fair	None detected	2	400 SF

1 F = Friable; NF = Non-friable. Friability is further defined in Section 4.

2 Cond. = Condition of Materials (good, fair, or poor).

Lead Survey Results

The descriptions, locations, quantities, condition assessments, and sampling results of suspect ACMs identified during the survey are summarized in Table 2.

TABLE 2

MTL #	PAINT COLOR/SAMPLE IDS	LOCATION	COND. ¹	% LEAD (WT%)	# SAMP.	QUANTITY (SF)
1	Off-white (LP-1/1A)	Building A/B interior	Fair	0.010/0.066	2	200 SF
2	White (LP-2/2A)	Building A/B interior	Fair	<0.010/0.011	2	1,200 SF
3	Green/Mean Green (LP-3/3A)	Building A/B interior	Fair	0.12/0.011	2	600 SF
4	Red (LP-4/4A)	Building A/B interior	Fair to poor	0.66/0.37%	2	30 SF
5	Beige (LP-5/5A)	Building A/B interior	Fair	0.053/0.10	2	1,000 SF
6	Yellow (LP-6/6A)	Building A/B interior	Fair	<0.010/<0.010	2	40 LF
7	White (LP-7/7A)	Building C interior	Fair	0.013/0.62%	2	6,000 SF
8	Green (LP-8/8A)	Building C interior	Fair	0.13/0.074	2	5,000 SF
9	Gray (LP-9/9A)	Building C interior	Fair	0.16/0.18	2	7,000 SF
10	Light Green (LP-10/10A)	Building C interior	Fair	0.089/0.079	2	100 SF
11	Red (LP-11/11A)	Building C interior	Fair to Poor	1.4/0.88%	2	100 SF
12	Yellow (LP-12/12A)	Building C interior	Fair	1.0/<0.010	2	50 SF
13	Beige (LP-13/13A)	Exterior of Building B/C	Fair	7.5/7.6%	2	5,000 SF
14	Mean Green (LP-14/14A)	Building F roof	Fair	0.029/0.038	2	100 SF
15	Beige (LP-15/15A)	Building C on Ceiling	Fair	0.033/0.041	2	3,000 LF
16	Beige (LP-16/16A)	Building C on Ceiling	Fair	<0.011/<0.010	2	2,000 SF
17	Green (LP-17/17A)	Building F	Fair	0.11/0.15	2	1,500 SF
18	White (LP-18/18A)	Building F	Fair	0.028/0.027	2	3,500 SF
19	Orange (LP-19/19A)	Building G	Fair	0.12/0.050	2	100 SF
20	Red (LP-20/20A)	Building G	Fair to Poor	<0.010/<0.010	2	50 SF
21	Green (LP-21/21A)	Building G	Fair	0.016/<0.010	2	8,000 SF
22	Light Green (LP-22/22A)	Building G	Fair	2.6/0.35%	2	5,000 SF
23	White (LP-23/23A)	Building I	Fair	0.52/1.3%	2	3,000 SF
24	Green (LP-24/24A)	Building I	Fair	0.39/0.22	2	2,000 SF
25	Red (LP-25/25A)	Building I	Fair to Poor	<0.010/<0.012	2	SF
26	Orange (LP-26/26A)	Building I	Fair	0.038/0.035	2	SF
27	Dark Green (LP-27/27A)	Building I	Fair	<0.016/<0.010	2	SF
28	Yellow (LP-28/28A)	Building I	Fair	<0.010/<0.033	2	SF

¹ Condition of Materials (good, fair, or poor).

SECTION 2

Introduction

PURPOSE

The purpose of this survey was to identify asbestos-containing materials (ACM) and lead-containing paint and surface coatings, herein referred to as LCMs.

ESCORT

The principal site contact was Mr. Joshua Monk of the City of Lexington. Mr. Monk provided building access and escorted Mr. Rocco during the site visit.

AUTHORIZATION

Authorization to perform this study was given by the Ms. Tammy Absher of the City of Lexington.

This report has been prepared for the exclusive use of the City of Lexington., and affiliates thereof.

URS Corporation-North Carolina (URS) was retained by the City of Lexington, North Carolina Business and Community Development (Lexington) to conduct an asbestos and lead-based paint survey of the property located at the intersection of South Railroad Street and 3rd Avenue (site or subject property).

BUILDING OBSERVATIONS

The subject property is approximately 0.95 acres of developed land with several buildings totaling approximately 30,000 square feet.

The site contains several structures for varied past uses, including a former woodworking shop, a former machine shop, a compressor room, office and storage space, dust bins and storage, cafeteria, finishing room, mechanical and duct room, and display room.

SECTION 3

Warranty

An investigation of readily accessible areas of survey area was performed to identify suspect materials within the assessment area. Inaccessible areas such as pipe chases, wall cavities, and fire door interiors were not included in this survey and destructive building investigation was not conducted. If any suspect materials that have not been previously characterized are encountered during demolition or renovation activities, these materials must be sampled and analyzed in accordance with all applicable Federal and State of North Carolina regulations.

The on-site asbestos and lead survey, which was conducted by individuals who are accredited U.S. EPA AHERA and North Carolina asbestos inspectors, was limited to visual observation of the accessible interior and exterior spaces of the building and an assessment of whether or not these spaces contain suspect ACM or LCM. If these spaces were assessed by the inspector to contain suspect material, representative samples of some materials were collected and analyzed. URS cannot be held responsible for areas that were not surveyed due to access limitations.

Inaccessible areas typically include, but are not limited to:

- inaccessible spaces below floor levels
- inaccessible attic spaces
- materials below ground surface or concrete slab
- materials in areas considered to be inaccessible or unsafe
- materials covered by other types of building materials
- materials covered by carpeting and other flooring materials
- materials covered by equipment or heavy objects

No warranty or guarantee, either expressed or implied, concerning the findings or conclusions of this survey is offered or intended. Rather, the scope and performance of the professional services rendered are in accordance with the current state of the practice as conducted within the State of North Carolina by similarly qualified practitioners.

URS warrants that the findings contained herein have been prepared with the level of care and skill exercised by experienced and knowledgeable environmental consultants who are appropriately licensed or otherwise trained to perform asbestos assessments pursuant to as well as state and local requirements as applicable.

The survey included inspection of accessible materials such as above or behind suspended ceilings or other non-permanent structures. URS did not inspect or sample inaccessible areas such as those that would have been deemed unsafe to enter or walk on.

The roofing materials were sampled for asbestos. However, prior to demolition work or disturbance of these materials, samples of suspect roofing materials will be evaluated and tested for asbestos if additional materials are identified beyond that of what was observed.

SECTION 4

Methods

The asbestos and lead survey and sampling was performed in general accordance with the requirements of the Asbestos Hazard Emergency Response Act (AHERA, Title 40 CFR 763) and all applicable federal, state, and local regulations. This survey was performed by Chris Rocco, an AHERA and North Carolina Department of Health and Human Services (DHHS)-licensed asbestos inspector accredited asbestos inspector.

GENERAL ORGANIZATION

Prior to the start of the survey, Mr. Rocco spoke with Mr. Monk to discuss the survey approach, access restrictions, and other building information such as building age and past renovation or construction activities.

The on-site survey consisted of a visual inspection to develop an inventory of suspect materials and the collection of bulk samples for laboratory sampling.

VISUAL INSPECTION

A walk-through of the building was conducted to identify the presence and location of suspect ACMs and LCMs. An inventory of suspect ACMs which included material descriptions, conditions, locations, friability, and estimated quantities was developed during the walkthrough. Suspect ACMs which were similar in color and texture were grouped into homogenous areas for sampling purposes. . An inventory of suspect LCMs which included the color, substrates and estimated quantities of suspect LCMs was also developed. Areas behind walls, in inaccessible rooms, or within confined spaces were not included in this survey.

SAMPLING PROCEDURES

Once accessible suspect materials within the survey area were identified, samples of suspect materials were collected. The number of samples collected was based on US Environmental Protection Agency (EPA) guidelines and applicable state and local regulations. Samples were collected in a manner deemed by the inspector to be representative of each suspect material. Wherever possible, samples were collected from areas where materials were already damaged to prevent unnecessary damage to structural finishes.

A total of 44 suspect ACM samples and 56 suspect LCM samples were collected as part of this survey. Suspect ACM observed and sampled as part of this survey included the following: Ceiling tile, skim coat plaster, roofing materials, floor tile and associated mastics, wallpaper, transite fencing, leveling compound, spray-applied insulation, and wallboard systems, pipe insulation, and window glazing.

Upon the completion of the sampling activities, samples were inventoried, counted and sealed in plastic bags. Sample identification information was recorded on chain-of-custody (COC) forms which were sealed in the plastic bag with the samples. Samples and COC forms were submitted to EMSL Labs, Inc. in Charlotte, North Carolina. EMSL participates in both the National Voluntary Laboratory Accreditation Program (NVLAP) and American Industrial Hygiene Association - Laboratory Accreditation Program (AIHA-LAP), is the industry-standard accreditation programs for asbestos and lead analysis, respectively. Suspect ACM bulk sample analysis was performed using Polarized Light Microscopy (PLM) by a trained asbestos analyst following the EPA Bulk Asbestos Proficiency Guidelines (EPA Method 600/R-

93/116) . Each paint chip sample was analyzed for lead via EPA Method SW 846 3050B/7000B by use of a Flame Atomic Absorption Spectrometer (FLAA).

It should be noted that some ACMs may not be accurately identified and/or quantified by PLM. As an example, the original fabrication of vinyl floor tiles routinely involved milling of asbestos fibers to extremely small sizes. As a result, these fibers may go undetected under the standard PLM method. TEM is required for a more definitive analysis of these materials, but is not required under North Carolina DHHS regulations. Thus, only PLM analysis was performed during this survey.

Suspect ACM sample locations are shown on Figures 1 and 2. Suspect LCM sample locations are shown on Figure 3.

SECTION 5

Unique State and/or Local Requirements

Any materials that have not been identified and sampled as part of this survey are assumed to be ACM or LCM. These materials must be sampled and analyzed in accordance with all applicable Federal and State of North Carolina regulations

The following notices, permits and licenses are necessary for abatement work as of the date of this report. The contractor is cautioned to verify these requirements as applicable to the final project scope and confirm that no new requirements exist.

NORTH CAROLINA DEPARTMENT OF HEALTH AND HUMAN SERVICES (NCDHHS)

ACMs were identified on the day of this assessment. If additional suspect ACMs are found during renovation activities not identified in this report, all work must cease until the materials are sampled by a NC DHHS-licensed asbestos inspector.

An approved permit is required to be displayed on site for all asbestos removals of more than 35 cubic feet, 160 square feet or 260 linear feet of regulated asbestos containing material or asbestos containing material that may become regulated during handling. Any ACMs identified should be handled in accordance with the applicable federal and State of North Carolina regulations. Proper written notification and permits are required to be submitted to the EPA and NC DHHS at least ten (10) days prior to beginning any work on friable or non-friable ACMs. Under North Carolina regulations, any project involving ACMs requires a project notification and applicable fees. Copies of all notifications must be sent to both the NC DHHS and to USEPA Region 4.

Lead containing paint and lead based paint (LBP), paint which contains greater than 0.5% lead by weight, was identified in several locations within the survey area.. Any disturbance of LCMs must be performed in accordance with applicable federal and State of North Carolina regulations. An approved permit is required to be displayed on site, along with all revisions, during lead-based paint abatement activities and be immediately available for review.

LICENSES

Asbestos and lead abatement contractors must maintain current licenses as required by NC DHHS or local Jurisdictions for the removal, transporting, disposal, or other regulated activity.

SECTION 6

Photographs



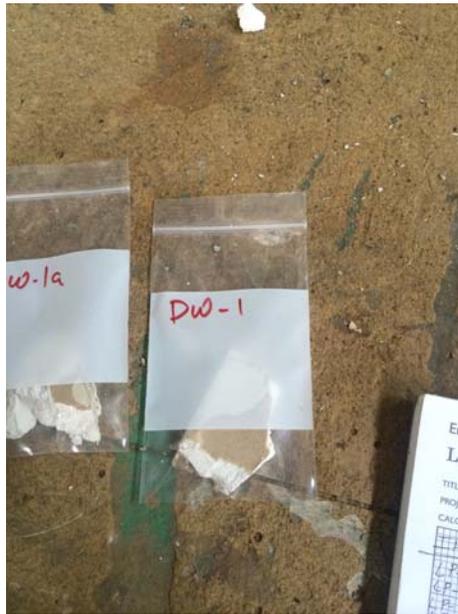
Photograph 1 – Inside Building A, showing skim coat and three colors of paint.



Photograph 2 – Peeling red paint on bin in Building A.



Photograph 3 – sample of floor tile stored in Building C/D.



Photograph 4 – sample of drywall collected in Building C.



Photograph 5 – View of 12x12 floor tile in Building C office (FT-3).



Photograph 6 – ceiling tile (CT-1) in Building C office.



Photograph 7 – stacks of floor tile (FT-1 and FT-2) in Building C/D area.



Photograph 8 – Pipe insulation on roof of Building F (TSI-1/2/3).



Photograph 9 – Roof of Buiding A, B and C.



Photograph 10 – Roof patch and settled water over Building B.



Photograph 11 – Transite fencing located in courtyard area, as well as security fence along Railroad St.



Photograph 12 – 9x9 floor tile in Building I.



Photograph 13 – Spray booth insulation in drying room in Building G; window glazing collected from windows in background, and paint collected from ch.



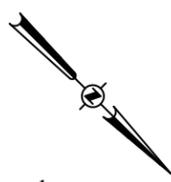
Photograph 14 – former break room area, with three types of paint shown in Building F.

SECTION 7

Figures

LEGEND

- Monitoring Well
- Negative Asbestos Hit
- Positive Asbestos Hit
- CT-1 Ceiling Tile
- DW-1 Drywall Sample
- LC-1 Leveling Compound Sample
- FT-1 Floor Tile Sample
- TF-1 Transite Fence Sample
- SP-1 Spray Booth Sample
- WG-1 Window Glaze Sample
- TSI-1 Thermal Insulation Sample



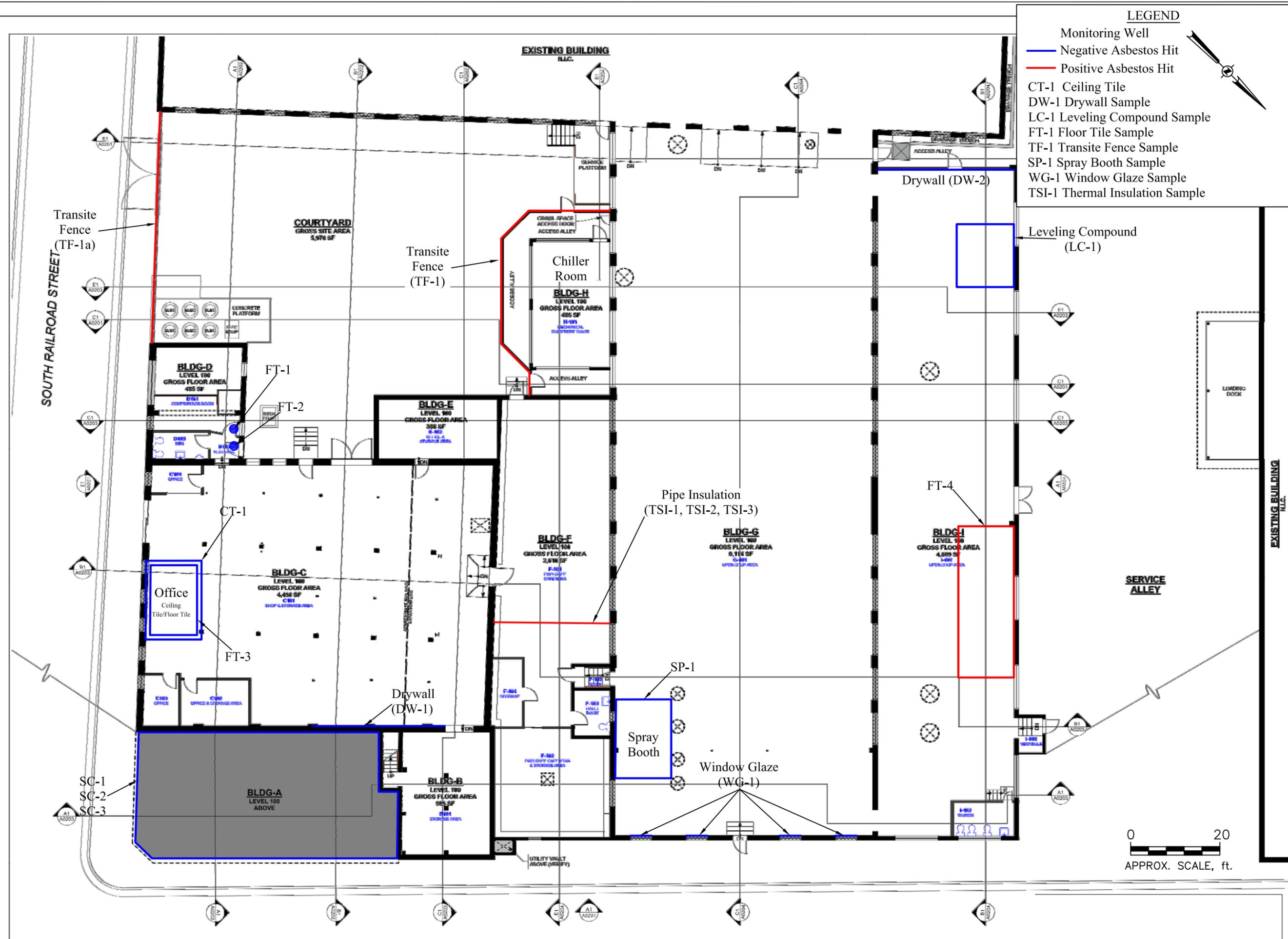
Interior Asbestos Sampling Map
 City of Lexington
 Intersection of 3rd Ave & S. Railroad St.
 Lexington, NC

URS CORPORATION - NORTH CAROLINA
 SOUTHPARK TOWERS
 6000 FAIRVIEW ROAD, SUITE 200
 CHARLOTTE, NC 28210
 TEL: (704) 522-0330
 FAX: (704) 522-0063



DRAWN BY: BGS 26AUG14
 CHECKED BY: CR 26AUG14
 PROJECT NO: 38941548

SHEET
 Figure 1



0 20
 APPROX. SCALE, ft.

LEGEND

- Negative Asbestos Hit
- Positive Asbestos Hit
- RM-1 Roof Material Sample
- RMS-1 Roof Mastic Sample
- RP-1 Roof Patch Sample



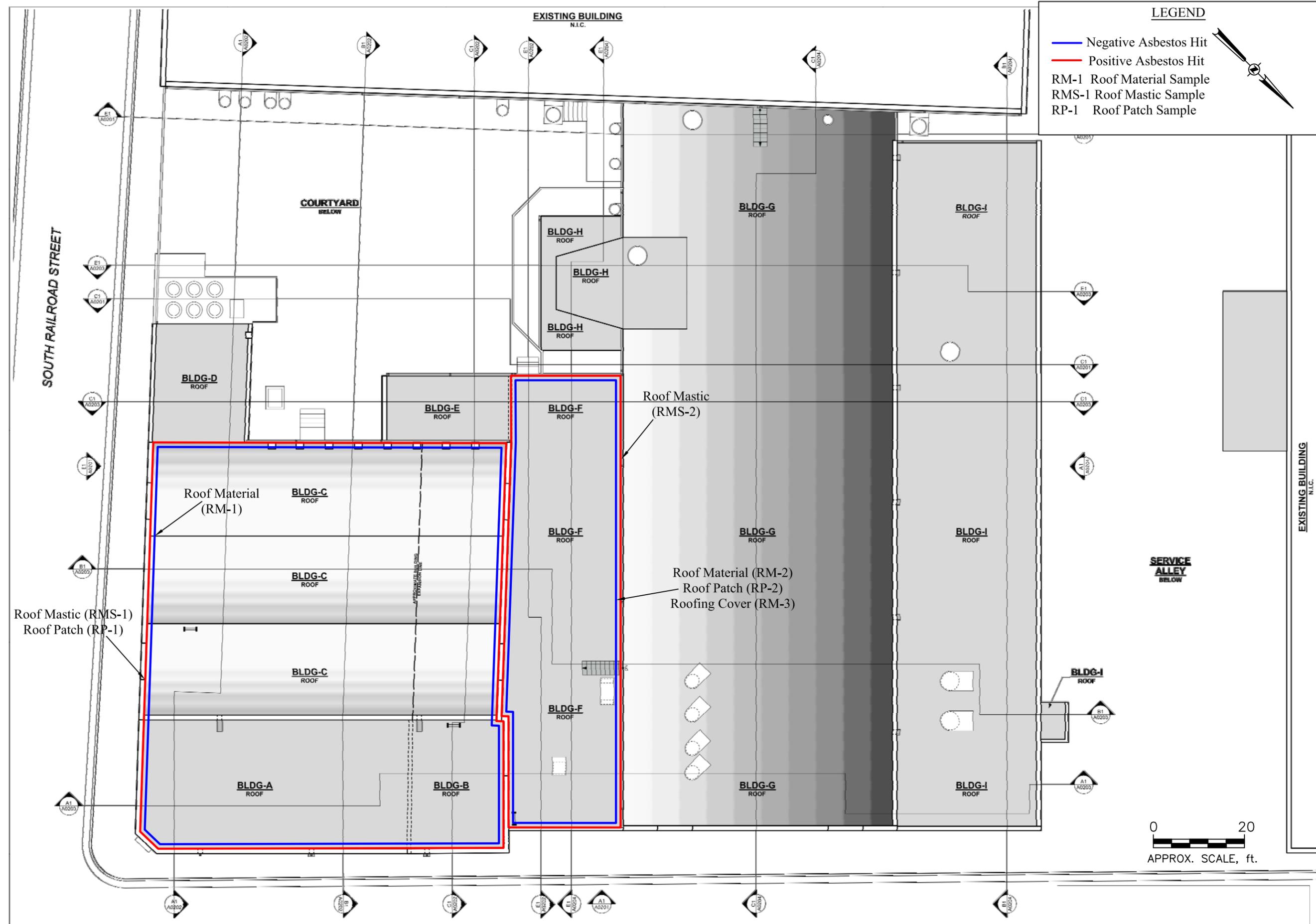
Roof Asbestos Sampling Map
 City of Lexington
 Intersection of 3rd Ave & S. Railroad St.
 Lexington, NC

URS CORPORATION - NORTH CAROLINA
 SOUTHPARK TOWERS
 6000 FAIRVIEW ROAD, SUITE 200
 CHARLOTTE, NC 28210
 TEL: (704) 522-0330
 FAX: (704) 522-0063



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 CHECKED BY: CR 04SEP14
 PROJECT NO: 38941548

Figure 2

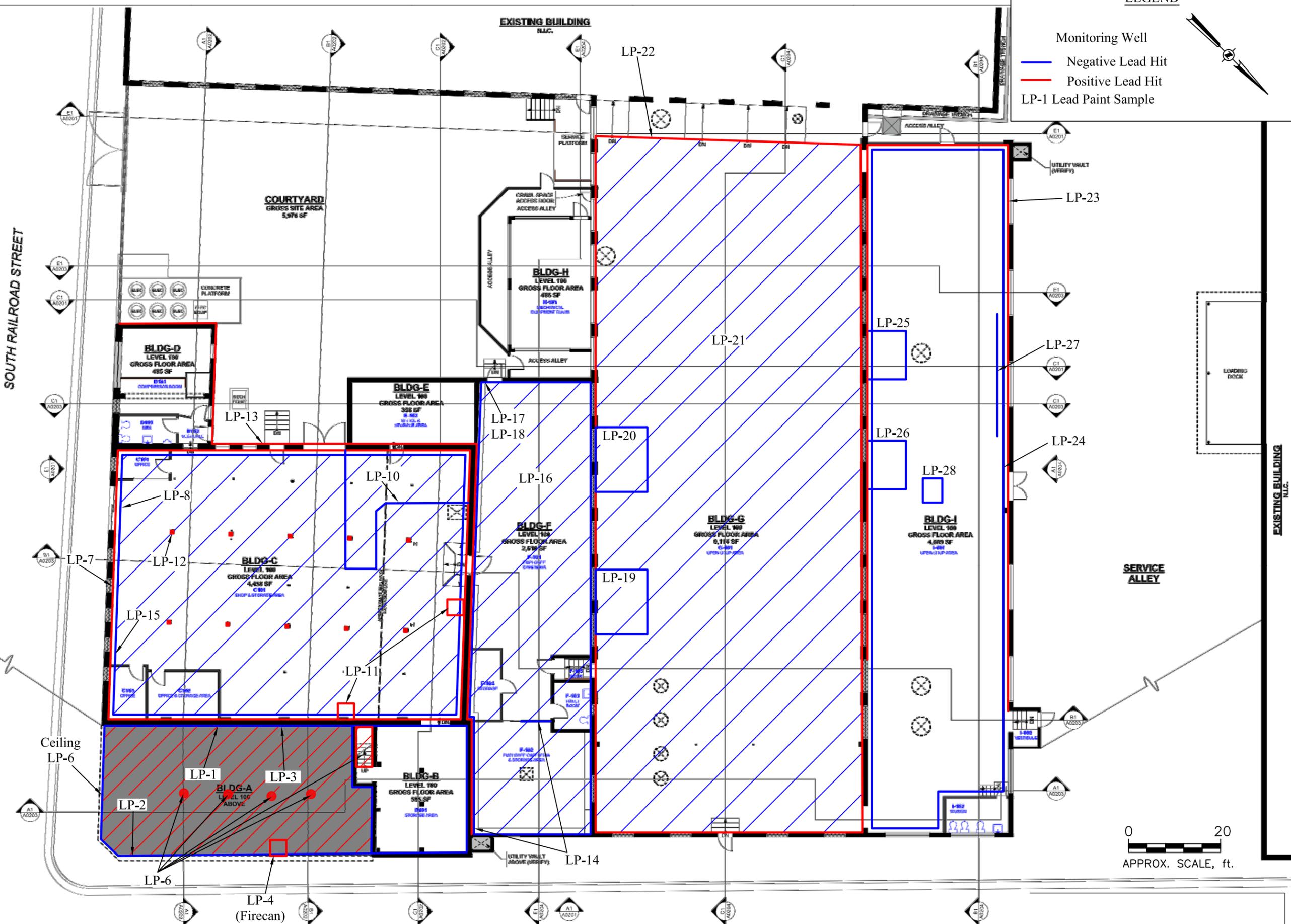


LEGEND

- Monitoring Well
- Negative Lead Hit
- Positive Lead Hit
- LP-1 Lead Paint Sample



SOUTH RAILROAD STREET



Lead Paint Sampling Map
City of Lexington
Intersection of 3rd Ave & S. Railroad St.
Lexington, NC

URS CORPORATION - NORTH CAROLINA
SOUTH PARK TOWERS
6000 FAIRVIEW ROAD, SUITE 200
CHARLOTTE, NC 28210
TEL: (704) 522-0330
FAX: (704) 522-0065



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CHECKED BY: CR 05SEP14
PROJECT NO: 38941548

SHEET
Figure 3

SECTION 8

Appendices

.....**INSPECTOR CERTIFICATION**



North Carolina Department of Health and Human Services
Division of Public Health

Pat McCrory
Governor

Aldona Z. Wos, M.D.
Ambassador (Ret.)
Secretary DHHS
Daniel Staley
Acting Division Director

November 25, 2013

Christopher M Rocco
5418 Kerry Glen Ln
Charlotte, NC 28226

Dear Mr. Rocco:

Based upon the review of your accreditation application, the Health Hazards Control Unit (HHCU) has determined that you have fulfilled the requirements and are eligible for asbestos accreditation as a(n) INSPECTOR. Your assigned North Carolina accreditation number is 12685, which is reflected on your enclosed North Carolina Accreditation card. Please be sure to take this card with you to any asbestos work site where you are employed. The State requires that all persons conducting asbestos abatement or asbestos management activities be accredited and have their identification card on site.

Your North Carolina Inspector accreditation will expire on NOVEMBER 30, 2014. It is NOT the policy of the HHCU to issue renewal notices. If you wish to continue working as a(n) Inspector after this expiration date, you must successfully complete the required training and submit a completed application to this office prior to November 30, 2014. If you should continue to perform asbestos management activities as a(n) Inspector without a valid North Carolina accreditation, you will be in violation of State regulations and may be cited for noncompliance.

Sincerely,

Marita E Cheek
Accreditation/Certification Secretary
Health Hazards Control Unit

Enclosure

www.ncdhhs.gov • www.publichealth.nc.gov
Tel 919-707-5950 • Fax 919-870-4808

Location: 5505 Six Forks Road, Second Floor, Room D-1 • Raleigh, NC 27609

Mailing Address: 1912 Mail Service Center • Raleigh, NC 27699-1912

An Equal Opportunity / Affirmative Action Employer



AAA Environmental

P.O. Box 5605 Spartanburg, South Carolina 29304 (864)582-1222

CHRIS ROCCO

6000 Fairview Road, Ste. 200, Charlotte, NC 28210

8097

has completed the requisite training for asbestos accreditation under TSCA Title II and has met the requirements of and passed the examination for an EPA approved

AHERA Inspector Refresher Training Course

Spartanburg, SC

10-3813

Certificate Number

November 19, 2013

Course Date(s)

November 19, 2013

Examination Date

Tammy L. Champion

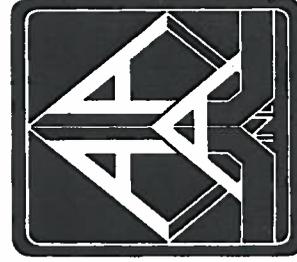
Principal Instructor



Pamela A. Smith, Training Manager

November 19, 2014

Expiration Date



**LABORATORY RESULTS
AND
CHAIN OF CUSTODY
DOCUMENTATION**



EMSL Analytical, Inc.

376 Crompton Street, Charlotte, NC 28273

Phone/Fax: (704) 525-2205 / (704) 525-2382

<http://www.EMSL.com>

charlottelab@emsl.com

EMSL Order:	411404580
CustomerID:	DAME57
CustomerPO:	
ProjectID:	

Attn: **Chris Rocco**
URS Corporation
6000 Fairview Road, Suite 200
Charlotte, NC 28210

Phone: (704) 522-0330
 Fax: (704) 522-0063
 Received: 07/22/14 12:30 PM
 Collected: 7/18/2014

Project: **Lexington/ 38941548**

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)*

Client Sample Description	Lab ID	Collected	Analyzed	Lead Concentration
LP-1 Site: White/ Off-White; Bldg. A & B	0001	7/18/2014	7/23/2014	0.010 % wt
LP-1A Site: White/ Off-White; Bldg. A & B	0002	7/18/2014	7/23/2014	0.066 % wt
LP-2 Site: White/ Bldg. A & B	0003	7/18/2014	7/23/2014	<0.010 % wt
LP-2A Site: White/ Bldg. A & B	0004	7/18/2014	7/23/2014	0.011 % wt
LP-3 Site: Green/ Mean Green/ Bldg. A/B	0005	7/18/2014	7/23/2014	0.12 % wt
LP-3A Site: Green/ Mean Green/ Bldg. A/B	0006	7/18/2014	7/23/2014	0.011 % wt
LP-4 Site: Red/ Bldg. A/B	0007	7/18/2014	7/24/2014	0.66 % wt
LP-4A Site: Red/ Bldg. A/B	0008	7/18/2014	7/23/2014	0.37 % wt
LP-5 Site: Beige; Ceiling/ Bldg. A/B	0009	7/18/2014	7/23/2014	0.053 % wt
LP-5A Site: Beige; Ceiling/ Bldg. A/B	0010	7/18/2014	7/23/2014	0.10 % wt
LP-6 Site: Yellow; Rails & Supports/ Bldg. A/B	0011	7/18/2014	7/23/2014	<0.010 % wt
LP-6A Site: Yellow; Rails & Supports/ Bldg. A/B	0012	7/18/2014	7/23/2014	<0.010 % wt
LP-7 Site: White/ Building C	0013	7/18/2014	7/23/2014	0.013 % wt
LP-7A Site: White/ Building C	0014	7/18/2014	7/24/2014	0.62 % wt
LP-8 Site: Green/ Building C	0015	7/18/2014	7/23/2014	0.13 % wt

Kyle Collins, Technical Manager
or other approved signatory

*Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.010 % wt based on the minimum sample weight per our SOP. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise.

Samples analyzed by EMSL Analytical, Inc. Charlotte, NC AIHA-LAP, LLC - ELLAP 192283

Initial report from 07/24/2014 16:09:02



EMSL Analytical, Inc.

376 Crompton Street, Charlotte, NC 28273

Phone/Fax: (704) 525-2205 / (704) 525-2382

<http://www.EMSL.com>

charlottelab@emsl.com

EMSL Order:	411404580
CustomerID:	DAME57
CustomerPO:	
ProjectID:	

Attn: **Chris Rocco**
URS Corporation
6000 Fairview Road, Suite 200
Charlotte, NC 28210

Phone: (704) 522-0330
 Fax: (704) 522-0063
 Received: 07/22/14 12:30 PM
 Collected: 7/18/2014

Project: **Lexington/ 38941548**

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)*

Client Sample Description	Lab ID	Collected	Analyzed	Lead Concentration
LP-8A	0016	7/18/2014	7/23/2014	0.074 % wt
Site: Green/ Building C				
LP-9	0017	7/18/2014	7/23/2014	0.16 % wt
Site: Gray; Shelves & Floor/ Building C				
LP-9A	0018	7/18/2014	7/23/2014	0.18 % wt
Site: Gray; Shelves & Floor/ Building C				
LP-10	0019	7/18/2014	7/23/2014	0.089 % wt
Site: Lt. Green; Closets/ Building C				
LP-10A	0020	7/18/2014	7/23/2014	0.079 % wt
Site: Lt. Green; Closets/ Building C				
LP-11	0021	7/18/2014	7/24/2014	1.4 % wt
Site: Red/ Building C				
LP-11A	0022	7/18/2014	7/24/2014	0.88 % wt
Site: Red/ Building C				
LP-12	0023	7/18/2014	7/24/2014	1.0 % wt
Site: Yellow; Top Floor & Basement/ Building C				
LP-12A	0024	7/18/2014	7/23/2014	<0.010 % wt
Site: Yellow; Top Floor & Basement/ Building C				
LP-13	0025	7/18/2014	7/24/2014	7.5 % wt
Site: Beige; Exterior on Brick; Inside Property Fencing				
LP-13A	0026	7/18/2014	7/24/2014	7.6 % wt
Site: Beige; Exterior on Brick; Inside Property Fencing				
LP-14	0027	7/18/2014	7/23/2014	0.029 % wt
Site: Mean Green; Ducts & Ladder/ Bldg. B/C & E/G				
LP-14A	0028	7/18/2014	7/23/2014	0.038 % wt
Site: Mean Green; Ducts & Ladder/ Bldg. B/C & E/G				
LP-15	0029	7/18/2014	7/23/2014	0.033 % wt
Site: Beige; Ceiling in Basement/ Bldg. C				
LP-15A	0030	7/18/2014	7/23/2014	0.041 % wt
Site: Beige; Ceiling in Basement/ Bldg. C				

Kyle Collins, Technical Manager
or other approved signatory

*Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.010 % wt based on the minimum sample weight per our SOP. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise.

Samples analyzed by EMSL Analytical, Inc. Charlotte, NC AIHA-LAP, LLC - ELLAP 192283

Initial report from 07/24/2014 16:09:02



EMSL Analytical, Inc.

376 Crompton Street, Charlotte, NC 28273

Phone/Fax: (704) 525-2205 / (704) 525-2382

<http://www.EMSL.com>

charlottelab@emsl.com

EMSL Order:	411404580
CustomerID:	DAME57
CustomerPO:	
ProjectID:	

Attn: **Chris Rocco**
URS Corporation
6000 Fairview Road, Suite 200
Charlotte, NC 28210

Phone: (704) 522-0330
 Fax: (704) 522-0063
 Received: 07/22/14 12:30 PM
 Collected: 7/18/2014

Project: **Lexington/ 38941548**

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)*

Client Sample Description	Lab ID	Collected	Analyzed	Lead Concentration
LP-16	0031	7/18/2014	7/23/2014	<0.011 % wt
Site: Beige; Ceiling/ Bldg. F				
LP-16A	0032	7/18/2014	7/23/2014	<0.010 % wt
Site: Beige; Ceiling/ Bldg. F				
LP-17	0033	7/18/2014	7/23/2014	0.11 % wt
Site: Green/ Bldg. F				
LP-17A	0034	7/18/2014	7/23/2014	0.15 % wt
Site: Green/ Bldg. F				
LP-18	0035	7/18/2014	7/23/2014	0.028 % wt
Site: White/ Bldg. F				
LP-18A	0036	7/18/2014	7/23/2014	0.027 % wt
Site: White/ Bldg. F				
LP-19	0037	7/18/2014	7/23/2014	0.12 % wt
Site: Orange/ Bldg. G				
LP-19A	0038	7/18/2014	7/23/2014	0.050 % wt
Site: Orange/ Bldg. G				
LP-20	0039	7/18/2014	7/24/2014	<0.010 % wt
Site: Red/ Bldg. G				
LP-20A	0040	7/18/2014	7/24/2014	<0.010 % wt
Site: Red/ Bldg. G				
LP-21	0041	7/18/2014	7/24/2014	0.016 % wt
Site: Green/ Bldg. G				
LP-21A	0042	7/18/2014	7/24/2014	<0.010 % wt
Site: Green/ Bldg. G				
LP-22	0043	7/18/2014	7/24/2014	2.6 % wt
Site: Lt. Green/ White/ Bldg. G				
LP-22A	0044	7/18/2014	7/24/2014	0.35 % wt
Site: Lt. Green/ White/ Bldg. G				
LP-23	0045	7/18/2014	7/24/2014	0.52 % wt
Site: White/ Bldg. I				

Kyle Collins, Technical Manager
or other approved signatory

*Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.010 % wt based on the minimum sample weight per our SOP. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise.

Samples analyzed by EMSL Analytical, Inc. Charlotte, NC AIHA-LAP, LLC - ELLAP 192283

Initial report from 07/24/2014 16:09:02

**EMSL Analytical, Inc.**

376 Crompton Street, Charlotte, NC 28273

Phone/Fax: (704) 525-2205 / (704) 525-2382

<http://www.EMSL.com>charlottelab@emsl.com

EMSL Order: 411404580

CustomerID: DAME57

CustomerPO:

ProjectID:

Attn: **Chris Rocco**
URS Corporation
6000 Fairview Road, Suite 200
Charlotte, NC 28210

Phone: (704) 522-0330
 Fax: (704) 522-0063
 Received: 07/22/14 12:30 PM
 Collected: 7/18/2014

Project: **Lexington/ 38941548****Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)***

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Lead Concentration</i>
LP-23A	0046	7/18/2014	7/24/2014	1.3 % wt
Site: White/ Bldg. I				
LP-24	0047	7/18/2014	7/24/2014	0.39 % wt
Site: Green/ Bldg. I				
LP-24A	0048	7/18/2014	7/24/2014	0.22 % wt
Site: Green/ Bldg. I				
LP-25	0049	7/18/2014	7/24/2014	<0.010 % wt
Site: Red/ Bldg. I				
LP-25A	0050	7/18/2014	7/24/2014	<0.012 % wt
Site: Red/ Bldg. I				
LP-26	0051	7/18/2014	7/24/2014	0.038 % wt
Site: Orange/ Bldg. I				
LP-26A	0052	7/18/2014	7/24/2014	0.035 % wt
Site: Orange/ Bldg. I				
LP-27	0053	7/18/2014	7/24/2014	<0.016 % wt
Site: Dark Green/ Bldg. I				
LP-27A	0054	7/18/2014	7/24/2014	<0.010 % wt
Site: Dark Green/ Bldg. I				
LP-28	0055	7/18/2014	7/24/2014	<0.010 % wt
Site: Yellow/ Bldg. I				
LP-28A	0056	7/18/2014	7/24/2014	<0.033 % wt
Site: Yellow/ Bldg. I				

Kyle Collins, Technical Manager
 or other approved signatory

*Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.010 % wt based on the minimum sample weight per our SOP. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise.

Samples analyzed by EMSL Analytical, Inc. Charlotte, NC AIHA-LAP, LLC - ELLAP 192283

Initial report from 07/24/2014 16:09:02



EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRAINING

Lead (Pb) Chain of Custody
EMSL Order ID (Lab Use Only):

411404580

EMSL ANALYTICAL, INC.
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077
PHONE: (800) 220-3675
FAX: (856) 786-5974

Company: <u>URS Corporation - NC</u>		EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
Street: <u>6000 Fairview Rd. (200)</u>		Third Party Billing requires written authorization from third party	
City: <u>Charlotte</u>	State/Province: <u>NC</u>	Zip/Postal Code:	Country:
Report To (Name): <u>Chris Rocco</u>		Telephone #:	
Email Address: <u>chris.rocco@urs.com</u>		Fax #:	Purchase Order:
Project Name/Number: <u>Lexington 38941548</u>		Please Provide Results: <input type="checkbox"/> Fax <input type="checkbox"/> Email	
U.S. State Samples Taken: <u>NC</u>		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	

Turnaround Time (TAT) Options* - Please Check

3 Hour
 6 Hour
 24 Hour
 48 Hour
 72 Hour
 96 Hour
 1 Week
 2 Week

*Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide

Matrix	Method	Instrument	Reporting Limit	Check
Chips <input checked="" type="checkbox"/> % by wt. <input checked="" type="checkbox"/> mg/cm ² <input checked="" type="checkbox"/> ppm	SW846-7000B	Flame Atomic Absorption	0.01%	<input checked="" type="checkbox"/>
Air	NIOSH 7082	Flame Atomic Absorption	4 µg/filter	<input type="checkbox"/>
	NIOSH 7105	Graphite Furnace AA	0.03 µg/filter	<input type="checkbox"/>
	NIOSH 7300 modified	ICP-AES/ICP-MS	0.5 µg/filter	<input type="checkbox"/>
Wipe* ASTM <input type="checkbox"/> non ASTM <input type="checkbox"/> *if no box is checked, non-ASTM Wipe is assumed	SW846-7000B	Flame Atomic Absorption	10 µg/wipe	<input type="checkbox"/>
	SW846-6010B or C	ICP-AES	1.0 µg/wipe	<input type="checkbox"/>
	SW846-7000B/7010	Graphite Furnace AA	0.075 µg/wipe	<input type="checkbox"/>
TCLP	SW846-1311/7000B/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	SW846-1131/SW846-6010B or C	ICP-AES	0.1 mg/L (ppm)	<input type="checkbox"/>
Soil	SW846-7000B	Flame Atomic Absorption	40 mg/kg (ppm)	<input type="checkbox"/>
	SW846-7010	Graphite Furnace AA	0.3 mg/kg (ppm)	<input type="checkbox"/>
	SW846-6010B or C	ICP-AES	2 mg/kg (ppm)	<input type="checkbox"/>
Wastewater Unpreserved <input type="checkbox"/> Preserved with HNO ₃ pH < 2 <input type="checkbox"/>	SM3111B/SW846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.7	ICP-AES	0.020 mg/L (ppm)	<input type="checkbox"/>
Drinking Water Unpreserved <input type="checkbox"/> Preserved with HNO ₃ pH < 2 <input type="checkbox"/>	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	<input type="checkbox"/>
TSP/SPM Filter	40 CFR Part 50	ICP-AES	12 µg/filter	<input type="checkbox"/>
	40 CFR Part 50	Graphite Furnace AA	3.6 µg/filter	<input type="checkbox"/>
Other:				<input type="checkbox"/>

Name of Sampler: Chris Rocco Signature of Sampler: _____

Sample #	Location	Volume/Area	Date/Time Sampled
LP-1	white/off white; Bldg A or B	~ 200sf	7/18/14
LP-1a	↓	↓	↓
LP-2	white	~ 1,200sf	↓
LP-2a	↓	↓	↓

Client Sample #'s: _____ Total # of Samples: _____

Relinquished (Client): [Signature] Date: 7/22/14 Time: 1230

Received (Lab): Chin Est Date: 7/22/14 Time: 12:30 pm Walk In

Comments:



EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

LEAD (Pb) CHAIN OF CUSTODY
EMSL ORDER ID (Lab Use Only):

411404580

EMSL ANALYTICAL, INC.
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077
PHONE: (800) 220-3675
FAX: (856) 786-5974

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
LP-3	Green/ ^{mlap} Bldg A/B	~ 600sf	7/18/14
LP-3a	↓	↓	↓
LP-4	Red;	~ 30sf	
LP-4a	↓	↓	
LP-5	beige; ceiling	~ 1000sf	
LP-5a	↓ ↓	↓	
LP-6	Yellow; rails + supports	~ 40sf	
LP-6a	↓ ↓	↓	
LP-7	white; Building C	~ 6,000sf	
LP-7a ^{SR} LP-7a	↓	↓	
LP-8	Green;	~ 5,000sf	
LP-8a	↓	↓	
LP-9	Gray; shelves & floor	~ 7,000sf	
LP-9a	↓ ↓	↓	
LP-10	Lt. green; closets	~ 100sf	
LP-10a	↓ ↓	↓	
LP-11	Red	~ 100sf	
LP-11a	↓	↓	↓
Comments/Special Instructions:			



EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

LEAD (Pb) CHAIN OF CUSTODY

EMSL ORDER ID (Lab Use Only):

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PHONE: (800) 220-3675
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Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
LP-12	Yellow; top floor & basement Building C	~ 50 sf	7/18/2014
LP-12a	↓ ↓	↓	↓
LP-13	beige; exterior on brick; inside property fencing	~ 7,500	↓
LP-13a	↓ ↓	↓	↓
LP-14	Mean green; ducts & ladder on roof Bldg B/C + F/G	~ 100 sf	↓
LP-14a	↓ ↓	↓	↓
LP-15	beige; ceiling in basement Bldg. C	~ 3,000 sf	↓
LP-15a	↓ ↓	↓	↓
LP-16	beige; ceiling Bldg. F	~ 7,000 sf	↓
LP-16a	↓ ↓	↓	↓
LP-17	Green; Bldg. F	~ 1,500	↓
LP-17a	↓ ↓	↓	↓
LP-18	White; ↓	~ 3,500	↓
LP-18a	↓ ↓	~ ↓	↓
LP-19	Orange; Bldg. G	~ 100 sf	↓
LP-19a	↓ ↓	↓	↓
LP-20	red; ↓	~ 50 sf	↓
LP-20a	↓ ↓	↓	↓
Comments/Special Instructions:			



EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

LEAD (Pb) CHAIN OF CUSTODY
EMSL ORDER ID (Lab Use Only):

411404580

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CINNAMINSON, NJ 08077
PHONE: (800) 220-3675
FAX: (856) 786-5974

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
LP-21	Green; Bldg. G	~ 8,000 sf	7/18/14
LP-21a	↓	↓	↓
LP-22	lt. green/white;	~ 5,000 sf	
LP-22a	↓	↓	
LP-23	White; Bldg. I	~ 3,000 sf	
LP-23a	↓	↓	
LP-24	Green;	~ 2,000 sf	
LP-24a	↓	↓	
LP-25	red;	~ 30 sf	
LP-25a	↓	↓	
LP-26	orange;	~ 20 sf	
LP-26a	↓	↓	
LP-27	dark green;	~ 80 sf	
LP-27a	↓	↓	
LP-28	Yellow.	~ 50 sf	
LP-28a	↓	↓	↓

Comments/Special Instructions:

**EMSL Analytical, Inc.**

376 Crompton Street, Charlotte, NC 28273

Phone/Fax: (704) 525-2205 / (704) 525-2382

<http://www.EMSL.com>charlottelab@emsl.com

EMSL Order:	411404582
CustomerID:	DAME57
CustomerPO:	
ProjectID:	

Attn: Chris Rocco URS Corporation 6000 Fairview Road, Suite 200 Charlotte, NC 28210	Phone: (704) 522-0330 Fax: (704) 522-0063 Received: 07/22/14 12:30 PM Analysis Date: 7/25/2014 Collected: 7/18/2014
Project: 38941548	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
SC-1-Skim Coat 411404582-0001	White Skim Coat; Coarse, Med. & Fine Texture	Gray Non-Fibrous Homogeneous		10% Quartz 5% Ca Carbonate 85% Non-fibrous (other)	None Detected
SC-1-Rough Coat 411404582-0001A	White Skim Coat; Coarse, Med. & Fine Texture	Grayish Non-Fibrous Homogeneous		30% Quartz 5% Ca Carbonate 65% Non-fibrous (other)	None Detected
SC-2-Skim Coat 411404582-0002	White Skim Coat; Coarse, Med. & Fine Texture	Gray Non-Fibrous Homogeneous		10% Quartz 5% Ca Carbonate 85% Non-fibrous (other)	None Detected
SC-2-Rough Coat 411404582-0002A	White Skim Coat; Coarse, Med. & Fine Texture	Gray Non-Fibrous Homogeneous		25% Quartz 5% Ca Carbonate 70% Non-fibrous (other)	None Detected
SC-3-Skim Coat 411404582-0003	White Skim Coat; Coarse, Med. & Fine Texture	Gray/White Non-Fibrous Homogeneous		5% Quartz 5% Ca Carbonate 90% Non-fibrous (other)	None Detected
SC-3-Rough Coat 411404582-0003A	White Skim Coat; Coarse, Med. & Fine Texture	Gray/Tan Non-Fibrous Homogeneous		25% Quartz 75% Non-fibrous (other)	None Detected
FT-1 411404582-0004	12x12 Floor Tile; Black w/ White Design/ Bldg. D	White/Black Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (other)	None Detected

Analyst(s)

 Aaron Hartley (18)
 Eric Loomis (30)

Lee Plumley

 Lee Plumley, Laboratory Manager
 or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%
 Samples analyzed by EMSL Analytical, Inc. Charlotte, NC NVLAP Lab Code 200841-0, VA 3333 00312

Initial report from 07/28/2014 12:44:05

**EMSL Analytical, Inc.**

376 Crompton Street, Charlotte, NC 28273

Phone/Fax: (704) 525-2205 / (704) 525-2382

<http://www.EMSL.com>charlottelab@emsl.com

EMSL Order: 411404582

CustomerID: DAME57

CustomerPO:

ProjectID:

Attn: **Chris Rocco**
URS Corporation
6000 Fairview Road, Suite 200
Charlotte, NC 28210

Phone: (704) 522-0330
 Fax: (704) 522-0063
 Received: 07/22/14 12:30 PM
 Analysis Date: 7/25/2014
 Collected: 7/18/2014

Project: 38941548

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
FT-1A 411404582-0005	12x12 Floor Tile; Black w/ White Design/ Bldg. D	White/Black Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (other)	None Detected
FT-2 411404582-0006	12x12 Floor Tile; Lt. Green/ Bldg. D	Gray/Blue Non-Fibrous Homogeneous		35% Ca Carbonate 65% Non-fibrous (other)	None Detected
FT-2A 411404582-0007	12x12 Floor Tile; Lt. Green/ Bldg. D	Green Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (other)	None Detected
FT-3-Floor Tile 411404582-0008	White 12x12 Floor Tile w/ Orange Mastic; Office	Beige Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (other)	None Detected
FT-3-Mastic 411404582-0008A	White 12x12 Floor Tile w/ Orange Mastic; Office	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
FT-3A-Floor Tile 411404582-0009	White 12x12 Floor Tile w/ Orange Mastic; Office	White Non-Fibrous Homogeneous		35% Ca Carbonate 65% Non-fibrous (other)	None Detected
FT-3A-Mastic 411404582-0009A	White 12x12 Floor Tile w/ Orange Mastic; Office	Tan Non-Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (other)	None Detected
CT-1 411404582-0010	2'x2' Ceiling Tile; White; Office Area/ Bldg. C	Gray/White Fibrous Homogeneous	60% Cellulose 5% Min. Wool	10% Perlite 25% Non-fibrous (other)	None Detected

Analyst(s)

Aaron Hartley (18)

Eric Loomis (30)

Lee Plumley, Laboratory Manager
 or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Charlotte, NC NVLAP Lab Code 200841-0, VA 3333 00312

Initial report from 07/28/2014 12:44:05

**EMSL Analytical, Inc.**

376 Crompton Street, Charlotte, NC 28273

Phone/Fax: (704) 525-2205 / (704) 525-2382

<http://www.EMSL.com>charlottelab@emsl.com

EMSL Order:	411404582
CustomerID:	DAME57
CustomerPO:	
ProjectID:	

Attn: **Chris Rocco**
URS Corporation
6000 Fairview Road, Suite 200
Charlotte, NC 28210

Phone: (704) 522-0330
 Fax: (704) 522-0063
 Received: 07/22/14 12:30 PM
 Analysis Date: 7/25/2014
 Collected: 7/18/2014

Project: **38941548**

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
CT-1A 411404582-0011	2'x2' Ceiling Tile; White; Office Area/ Bldg. C	Gray/White Fibrous Homogeneous	50% Cellulose 10% Min. Wool	10% Perlite 30% Non-fibrous (other)	None Detected
TSI-1 411404582-0012	Pipe Insulation; White/ Off-White/ Roof of Bldg. F	Gray/White Fibrous Homogeneous		20% Non-fibrous (other)	65% Chrysotile 15% Amosite
TSI-2 411404582-0013	Pipe Insulation; White/ Off-White/ Roof of Bldg. F				Stop Positive (Not Analyzed)
TSI-3 411404582-0014	Pipe Insulation; White/ Off-White/ Roof of Bldg. F				Stop Positive (Not Analyzed)
RM-1-Synthetic Layer 411404582-0015	Roofing/ Bldg. A/B/C	White/Black Fibrous Heterogeneous	5% Synthetic	95% Non-fibrous (other)	None Detected
RM-1-Tar 411404582-0015A	Roofing/ Bldg. A/B/C	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
RM-1A-Synthetic Layer 411404582-0016	Roofing/ Bldg. A/B/C	Gray/Black Non-Fibrous Homogeneous	8% Synthetic	92% Non-fibrous (other)	None Detected
RM-1A-Tar 411404582-0016A	Roofing/ Bldg. A/B/C	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Analyst(s)
 Aaron Hartley (18)
 Eric Loomis (30)

Lee Plumley, Laboratory Manager
 or other approved signatory

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 Samples analyzed by EMSL Analytical, Inc. Charlotte, NC NVLAP Lab Code 200841-0, VA 3333 00312

Initial report from 07/28/2014 12:44:05

**EMSL Analytical, Inc.**

376 Crompton Street, Charlotte, NC 28273

Phone/Fax: (704) 525-2205 / (704) 525-2382

<http://www.EMSL.com>charlottelab@emsl.com

EMSL Order:	411404582
CustomerID:	DAME57
CustomerPO:	
ProjectID:	

Attn: **Chris Rocco**
URS Corporation
6000 Fairview Road, Suite 200
Charlotte, NC 28210

Phone: (704) 522-0330
 Fax: (704) 522-0063
 Received: 07/22/14 12:30 PM
 Analysis Date: 7/25/2014
 Collected: 7/18/2014

Project: **38941548**

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
RP-1-Silver Paint 411404582-0017	Roof Patch/ Bldg. A/B/C	Silver Non-Fibrous Homogeneous		95% Non-fibrous (other)	5% Chrysotile
RP-1-Tar 411404582-0017A	Roof Patch/ Bldg. A/B/C	Black Non-Fibrous Homogeneous	5% Fibrous (other)	95% Non-fibrous (other)	None Detected
RP-1A-Silver Paint 411404582-0018	Roof Patch/ Bldg. A/B/C				Stop Positive (Not Analyzed)
RP-1A-Tar 411404582-0018A	Roof Patch/ Bldg. A/B/C	Black Non-Fibrous Homogeneous	3% Fibrous (other)	97% Non-fibrous (other)	None Detected
RM5-1 411404582-0019	Roof Mastic/ Bldg. A/B/C	Black Fibrous Homogeneous		10% Ca Carbonate 82% Non-fibrous (other)	8% Chrysotile
RM5-1A 411404582-0020	Roof Mastic/ Bldg. A/B/C				Stop Positive (Not Analyzed)
RM-2 411404582-0021	Roofing/ Bldg. F	Black Non-Fibrous Homogeneous	10% Glass	90% Non-fibrous (other)	None Detected
RM-2A 411404582-0022	Roofing/ Bldg. F	Black Fibrous Homogeneous	20% Glass	80% Non-fibrous (other)	None Detected
RP-2 411404582-0023	Roof Patch/ Bldg. F	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Analyst(s)
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 Eric Loomis (30)

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EMSL Order:	411404582
CustomerID:	DAME57
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ProjectID:	

Attn: Chris Rocco URS Corporation 6000 Fairview Road, Suite 200 Charlotte, NC 28210	Phone: (704) 522-0330 Fax: (704) 522-0063 Received: 07/22/14 12:30 PM Analysis Date: 7/25/2014 Collected: 7/18/2014
Project: 38941548	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
RP-2A 411404582-0024	Roof Patch/ Bldg. F	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
RM5-2-Black Layer 411404582-0025	Roof Mastic/ Bldg. F	Black Fibrous Homogeneous		20% Ca Carbonate 70% Non-fibrous (other)	10% Chrysotile
RM5-2-Gray Layer 411404582-0025A	Roof Mastic/ Bldg. F	Gray Non-Fibrous Homogeneous		20% Quartz 5% Ca Carbonate 75% Non-fibrous (other)	None Detected
RM5-2A 411404582-0026	Roof Mastic/ Bldg. F				Stop Positive (Not Analyzed)
RM-3 411404582-0027	Roof Cover - White/ Bldg. G	White Non-Fibrous Homogeneous	10% Synthetic	90% Non-fibrous (other)	None Detected
RM-3A 411404582-0028	Roof Cover - White/ Bldg. G	White Fibrous Homogeneous	15% Synthetic	85% Non-fibrous (other)	None Detected
DW-2 411404582-0029	Drywall/ Bldg. I	Gray Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
DW-2A 411404582-0030	Drywall/ Bldg. I	Brown/White Fibrous Homogeneous	8% Cellulose	92% Non-fibrous (other)	None Detected

Analyst(s)

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 Eric Loomis (30)



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Phone: (704) 522-0330
 Fax: (704) 522-0063
 Received: 07/22/14 12:30 PM
 Analysis Date: 7/25/2014
 Collected: 7/18/2014

Project: **38941548**

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
FT-4-Floor Tile 411404582-0031	9"x9" Floor Tile/ Bldg. I	Black Fibrous Homogeneous		20% Ca Carbonate 75% Non-fibrous (other)	5% Chrysotile
FT-4-Mastic 411404582-0031A	9"x9" Floor Tile/ Bldg. I	Black Non-Fibrous Homogeneous		92% Non-fibrous (other)	8% Chrysotile
FT-4A-Floor Tile 411404582-0032	9"x9" Floor Tile/ Bldg. I				Stop Positive (Not Analyzed)
FT-4A-Mastic 411404582-0032A	9"x9" Floor Tile/ Bldg. I				Stop Positive (Not Analyzed)
LC-1 411404582-0033	Leveling Compound; Gray/ Brown/ Bldg. I	Gray Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (other)	None Detected
LC-1A 411404582-0034	Leveling Compound; Gray/ Brown/ Bldg. I	Gray Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (other)	None Detected
LC-1B 411404582-0035	Leveling Compound; Gray/ Brown/ Bldg. I	Black Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (other)	None Detected
SP-1 411404582-0036	White Spray Booth Insulation; White/ Bldg. G	Cream Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
SP-1A 411404582-0037	White Spray Booth Insulation; White/ Bldg. G	Beige/Cream Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected

Analyst(s) _____

Aaron Hartley (18)

Eric Loomis (30)

Lee Plumley, Laboratory Manager
or other approved signatory

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 Samples analyzed by EMSL Analytical, Inc. Charlotte, NC NVLAP Lab Code 200841-0, VA 3333 00312

Initial report from 07/28/2014 12:44:05

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Phone: (704) 522-0330
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 Received: 07/22/14 12:30 PM
 Analysis Date: 7/25/2014
 Collected: 7/18/2014

Project: **38941548**

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
SP-1B 411404582-0038	White Spray Booth Insulation; White/ Bldg. G	Gray/White/Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
WG-1 411404582-0039	Window Glazing; White/ Bldg. G	Gray Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (other)	None Detected
WG-1A 411404582-0040	Window Glazing; White/ Bldg. G	Gray Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (other)	None Detected
TF-1 411404582-0041		Gray Fibrous Heterogeneous		30% Ca Carbonate 55% Non-fibrous (other)	15% Chrysotile
TF-1A 411404582-0042					Stop Positive (Not Analyzed)
DW-1 411404582-0043		Gray Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
DW-1A 411404582-0044		Brown/White Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected

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Initial report from 07/28/2014 12:44:05



EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

411404582

EMSL ANALYTICAL, INC.
4335 STUART ANDREW BLVD
SUITE 101
CHARLOTTE, NC 28217
PHONE: 704-525-2205
FAX: 704-525-2382

Company : URS Corporation-North Carolina		EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different <small>If Bill to is Different note instructions in Comments**</small>	
Street: 6000 Fairview Road Suite 200		Third Party Billing requires written authorization from third party	
City: Charlotte	State/Province: NC	Zip/Postal Code: 28210	Country: USA
Report To (Name): Chris Rocco		Fax #: 704-522-0063	
Telephone #: 704-522-0330		Email Address: chris.rocco@urs.com	
Project Name/Number: 38941548		U.S. State Samples Taken: GA	
Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email		Purchase Order:	

Turnaround Time (TAT) Options* - Please Check

3 Hours
 6 Hours
 24 Hrs
 48 Hrs
 3 Days
 4 Days
 5 Days
 10 Days

*For TEM Air 3 hours/6 hours, please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.

<p>PCM - Air</p> <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA <p>PLM - Bulk (reporting limit)</p> <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NYS 198.1 (friable in NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NIOSH 9002 (<1%)	<p>TEM - Air</p> <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312 <p>TEM - Bulk</p> <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP <input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5 <p>TEM - Water: EPA 100.2</p> Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	<p>TEM- Dust</p> <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167) <p>Soil/Rock/Vermiculite</p> <input type="checkbox"/> PLM CARB 435 - A (0.25% sensitivity) <input type="checkbox"/> PLM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - C (0.01% sensitivity) <input type="checkbox"/> EPA Protocol (Semi-Quantitative) <input type="checkbox"/> EPA Protocol (Quantitative) <p>Other:</p> <input checked="" type="checkbox"/> PCBs in Caulk (8082)
---	--	--

Check For Positive Stop - Clearly Identify Homogenous Group

Samplers Name: chris Rocco	Samplers Signature:
----------------------------	---------------------

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
SC-1	White Skim Coat, ^{coarse, med. →} fine texture Bldg. A	~700sf 1	7/18/14
SC-2	↓	↓	↓
SC-3	↓	↓	↓
FT-1	12x12 Floortile; Black w/white design Bldg D	~20sf 2	
FT-1a	↓	↓	↓
FT-2	Lt. green	~20sf 3	
FT-2a	↓	↓	↓

Client Sample # (s):	Total # of Samples: 40
Relinquished (Client): <i>[Signature]</i>	Date: 7/22/14 Time: 1230
Received (Lab): <i>[Signature]</i>	Date: 7/22/14 Time: 12:30pm
Comments/Special Instructions: Walk In	



EMSL ANALYTICAL, INC.
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Asbestos Chain of Custody
EMSL Order Number (Lab Use Only):

411404582

EMSL ANALYTICAL, INC.
4335 STUART ANDREW BLVD,
SUITE 101
CHARLOTTE, NC 28217
PHONE: 704-525-2205
FAX: 704-525-2382

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
FT-3	white 2x12 floor tile; office area Bldg. C	~144sf 4	7/18/14
FT-3a	w/orange mastic	↓ ↓	↓
CT-1	2x2 ceiling tile; white; office area	~144sf 5	↓
CT-1a	↓ ↓ ↓	↓ ↓	↓
TSI-1	Pipe insulation; white/off white roof of Bldg F	~30LF 6	↓
TSI-2	↓ ↓ ↓	↓ ↓	↓
TSI-3	↓ ↓ ↓	↓ ↓	↓
RM-1	Roofing Bldg A/B/C	~5,000sf 7	↓
RM-1a	↓	~1,000sf ↓	↓
RP-1	Roof patch	~750sf 8	↓
RP-1a	↓	↓ ↓	↓
RMS-1	Roof mastic	~750sf 9	↓
RMS-1a	↓	↓ ↓	↓
Rm-2	Roofing Bldg. F	~3,500sf 10	↓
Rm-2a	↓	↓ ↓	↓

*Comments/Special Instructions:



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Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
RP-2	Roof patch	Bldg. F ~ 750sf 11	7/18/14
RP-2a	↓	↓ ↓	↓
RM5-2	Roof Mastic	~ 500sf 12	
RM5-2a	↓	↓ ↓	
RM-3	Roof Cover-white	Bldg G ~ 6,000sf 13	
RM-3a	↓	↓ ↓	
DW-2	Dry wall	Bldg J ~ 300sf 14	
DW-2a	↓	↓ ↓	
FT-4	9" x 9" Floor tile	~ 2000sf 15	
FT-4a	↓	↓ ↓	
LC-1	Levelling Compound; gray/brown	~ 200sf 16	
↓ 1a	↓	↓ ↓	↓
↓ 1b	↓	↓ ↓	↓

*Comments/Special Instructions:

ASBESTOS CODES AND REGULATIONS

CODES AND REGULATIONS - ASBESTOS

Federal regulations which govern asbestos abatement work or hauling and disposal of asbestos waste materials include but are not limited to the following:

U.S. Department of Labor, Occupational Safety and Health Administration:

Asbestos Regulations

Title 29, Part 1910, Section 1001 of the Code of Federal Regulations

Final Rule

Title 29, Part 1926, Section 1101 of the Code of Federal Regulations

Respiratory Protection

Title 29, Part 1910, Section 134 of the Code of Federal Regulations

Construction Industry

Title 29, Part 1926, of the Code of Federal Regulations

Access to Employee Exposure & Medical Records

Title 29, Part 1910, Section 20 of the Code of Federal Regulations

Hazard Communication

Title 29, Part 1910, Section 1200 of the Code of Federal Regulations

Specifications for Accident Prevention Signs and Tags

Title 29, Part 1910, Section 145 of the Code of Federal Regulations

EPA including but not limited to:

Worker Protection Rule

40 CFR Part 763, Subpart G
CPTS 62044, FLR 2843-9
Federal Register, Vol. 50, No. 134, 7/12/85
P28530-28540

Regulation for Asbestos

Title 40, Part 61, Subpart A of the
Code of Federal Regulations

National Emission Standard for Asbestos

Title 40, Part 61, Subpart M of the Code of Federal Regulations including
NESHAP Revision; Final Rule, Federal Register; Tuesday, November 20, 1990.

Asbestos Hazard Emergency Response Act (AHERA)

Regulations 40 CFR 763 Subpart E

U.S. Department of Transportation (DOT) including but not limited to:

Hazardous Substances: Final Rule

Regulation 49 CFR, Parts 171 and 172

Uniform Fire Code:

Asbestos Removal

UFC Section 87.106, 87.102

Standards which govern asbestos abatement work or hauling and disposal of asbestos waste materials include but are not limited to the following:

American National Standards Institute (ANSI)

Fundamentals Governing the Design and
Operation of Local Exhaust Systems
Publication Z9.2-79

Practices for Respiratory Protection
Publication Z88.2-80